

Jantek ACCESS CONTROL

Taiwan Jantek Electronics., Ltd.

Access Control System / Proximity Card Reader
Mifare Reader / Mifare Module / Fingerprint Reader
Time And Attendance System / Electric Door Bolt
Accessories / Copier Controller / Push Button



Smart Security Control System
Your best choice for OEM and ODM partner.

www.jantek.com.tw



COMPANY PROFILE

Taiwan Jantek Electronics Ltd. was established in 1990.

For over 20 years experience, the company is dedicated to design, developing, manufacturing expertise and marketing Access Control System, Time & Attendance System, Electric Door Bolt as well as the Copier Controller, then become the one of leading manufacturer in these field in Taiwan. We provide a summary of our profile data here.

- Establishment : 1990
- Office Address : 6F-1, No.1, Wu-Chuan 1st Road,
Wu-Ku Industrial Park, Hsin Chuang City, Taipei Hsien, 24892
Taiwan, R.O.C.
- Factory Address : Same as Office Address
- Telephone : 886-2-2299-1255 (Rep.)
- Fax : 886-2-2299-1257 / 2299-7412
- Employees : 60
- Capital : USD 2,060,308.00
- Main Products :
 - 1.) ACCESS CONTROL SYSTEM
 - 2.) PROXIMITY CARD READER
 - 3.) MIFARE READER
 - 4.) FINGERPRINT READER
 - 5.) TIME AND ATTENDANCE SYSTEM
 - 6.) ELECTRIC DOOR BOLT & ACCESSORIES
 - 7.) COPIER CONTROLLER
 - 8.) PUSH BUTTON
 - 9.) PALM VEIN SYSTEM
- Main Bank : Mega International Commercial, Ltd.



Code Access Control	• KR-50 / KR-50A SELF Contained Standalone Code Access Unit ----- 01 • KR-100 / 200 / 300 / IK-100 Standalone Code Access Unit ----- 02~03
Access Control Reader	• PR-30C / PR-60C / PR-60KC Proximity Card Reader ----- 04 • PR-35C / PR-65C Proximity Card Reader ----- 05 • PR-200 / 200K Proximity Card Reader ----- 06 • PR-500M / MCH-928 Mifare Card Reader ----- 07 • PR-75R / PR-75W Proximity Card Reader ----- 08~09 • PR-75CD / PR-75CL Touch Keypad Access Control System ----- 10~12 • PR-80C / PR-85C Proximity Card Reader ----- 13~14 • PR-90C / MR-90C / BR-90C Proximity Card Reader ----- 15 • PR-520C Touch Keypad Access Control System ----- 16 • PR-100C Pc On Line Proximity Card Reader ----- 17~18 • PR-700 Long range proximity card reader ----- 19 • PR-710C Proximity card reader with touch keypad ----- 20
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KR-50

Self Contained Standalone Code Access Unit

- Low cost, easy installation
- 5 user & 1 master code. Programmable from 2 to 8 number in each code
- Programmable door release time from 00~99 seconds through keypad
- With Anti-intimidate function
- With a push button input point
- Built-in tamper switch detects when case is forced open or destroy, the alarm signal output (A,B point) and LED indication
- Built-in Watch Dog, the system never hang
- Data is protected even after power failure



LCD	Power
One Bi-color (Red & Green)	DC 12V · 250mA
Keypad	Dimensions /mm
3 X 4 12keys (Plastic)	113 (L)x69 (W)x8 (H)
Operation Temperature	Dimensions /mm
0~50℃	70 (L)x50 (W)x21 (H)

KR-50A

Self Contained Standalone Code Access Unit

- Low cost, easy installation
- 5 user & 1 master code. Programmable from 2 to 8 number in each code
- Programmable door release time from 00~99 seconds through keypad
- With Anti-intimidate function
- With a push button input point
- Built-in tamper switch detects when case is forced open or destroy, the alarm signal output (A,B point) and LED indication
- Built-in Watch Dog, the system never hang
- Data is protected even after power failure



LCD	Power
One Bi-color (Red & Green)	DC 12V · 250mA
Keypad	Dimensions /mm
3 X 4 12keys (Metal)	113 (L)x69 (W)x8 (H)
Operation Temperature	Dimensions /mm
0~50℃	70 (L)x50 (W)x21 (H)

KR-100

Splitting, Standalone Code Access Unit

- Split unit keeps your door secure with 50 programmable PIN codes. Each code can be programmed 2 to 8 numbers
- Built-in tamper switch detects when case is forced open or destroy, the alarm signal output (A,B point) and LED indication
- Built-in Watch Dog, the system never hang
- With hidden code function
- Built-in two Relay output
- Data is protected even after power failure
- Alarm signal will be output if the door unlock over the programmed time (alarm signal output time is programmable from 1~250 seconds after door release time is past)
- 4 wires between units (included power line), the maximum length is 1km (suggest using a separately power if length is over 100m)



KR-100 (Keypad Unit)
130(L)× 86(W)×25(H)mm



KR-100 (Controller)
110(L)× 95(W)×26(H)mm

Display	Humidity	Controller /mm
One Bi-color LED	20%~90%	110 (L)×95 (W)×26 (H)
Keypad	Power	Keypad /mm
3 X 4 12 keys	DC 12V 1A	130 (L)×86 (W)×25 (H)
Operating Temperat	Relay	Order Information
0~50°C	2 relays MAX DC 12V 1A	KR-100 : Black / White

KR-200

Self Contained, Standalone Code Access Unit



KR-200 (White)
130(L)×86(W)×25(H)mm



KR-200 (Black)
130(L)×86(W)×25(H)mm

- Self contained unit makes the installation easily
- Other functions are same as KR-100

Specifications :

- power requirement: DC12V 1Amp
- Input: 1 Tamper switch, 1 Door open detect, 1 Alarm loop and 1 Push button

Display	Humidity	
One Bi-color LED	20%~90%	
Keypad	Power	Keypad /mm
3 X 4 12 keys	DC 12V 1A	130 (L)×86 (W)×25 (H)
Operating Temperat	Relay	Order Information
0~50°C	2 relays MAX DC 12V 1A	KR-200 : Black / White

KR-300

Self Contained Standalone Code Access Unit

- Self contained unit makes the installation easily
- Water resist for outdoor use (IP 65 Approved)
- Zinc housing and keypad that makes high durability and security
- Other functions are same as KR-100

Specifications :

- Keypad: 3 x 4, 12 keys zinc water resist keypad
- power requirement: DC12V 1Amp
- Input: 1 Tamper switch, 1 Door open detect, 1 Alarm loop and 1 Push button
- Power: 4W
- Environment: Operating Temperature: -5°C ~50°C
- Humidity: 20%~90% RH



KR-300
130(L)×86(W)×25(H)mm

IK-100

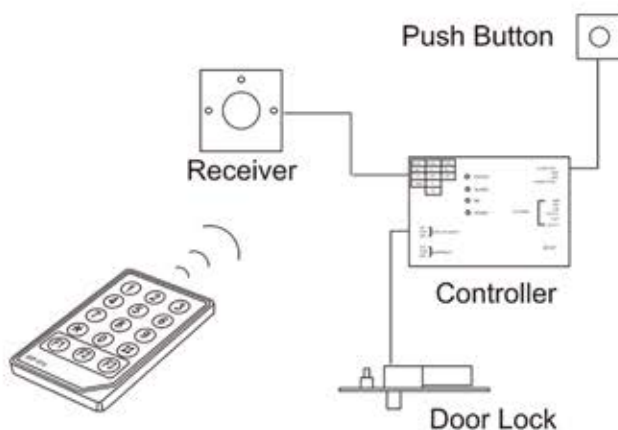
Infrared Keypad Control Unit



IK-100 (Infrared receiver) 86(L)× 86(W)×24(H)mm
IK-100 (Controller) 110(L)× 95(W)×26(H)mm

IK-100 Configuration

4 wires between units (included power line), the maximum length is 1km (suggest using a separately power if length is over 100m)



- To enter personal ID from remote side with infrared keypad
 - Split system keeps your door secure
 - 50 programmable PIN code; each code can be programmed 2 to 8 numbers
 - Programmable door release time from 1~250 seconds through keypad
 - Built-in tamper switch detects when case is forced open or destroy, the alarm signal output (A,B point) and LED indication
 - Built-in Watch Dog, the system never hang
 - With hidden code function
 - Built-in two Relay output
 - Data is protected even after power failure
 - Programmed door release time will stop as soon as the door be closed
 - Alarm signal will be output when door unlocked over the programmed time (alarm signal output time is programmable from 1~250 seconds after door release time is past)
- Specifications :

- power requirement: DC12V 1Amp
- Inputs: 1 Tamper switch, 1 Door open detect, 1 Alarm loop and 1 Push button
- Environment: Operating Temperature: 0°C~50°C
- Current requirements: 50~160mA
- Humidity: 20%~90%RH



JKP-015 (keypad unit)
90(L)× 55(W)×8(H)mm

PR-30C

Self Contained, Standalone Proximity Access Control

- Frequency is 125KHz
- Maximum reading range from 14~20cm (under normal environment)
- Access control unit includes built-in reader and programming keypad
- Support 15,000 cards (Non sequence card number)
- Data is protected even after power failure
- Built-in tamper switch detects when case is forced open or destroy, the alarm signal output (A,B point) and LED indication



PR-30C (White)
130(L)×86(W)×25(H)mm

PR-30C (Black)
130(L)×86(W)×25(H)mm

PR-60C / PR-60KC

Proximity Card Reader

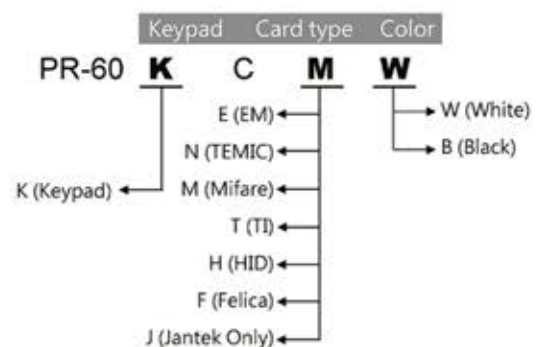
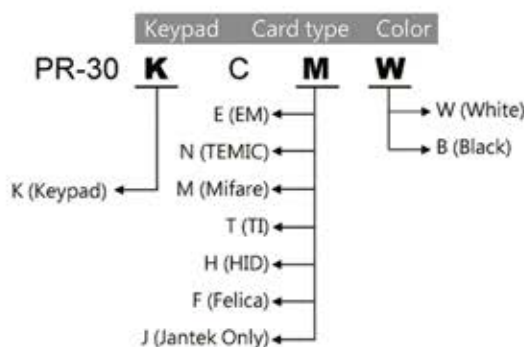


PR-60KC (White)
130(L)×86(W)×25(H)mm

PR-60KC (Black)
130(L)×86(W)×25(H)mm

PR-60C (Black)
130(L)×86(W)×25(H)mm

- Frequency is 125KHz
- Maximum reading range from 14~20cm
(under normal environment)
- When JST-320 is defection, the PR-60C could work alone, but no history record of door open
- Built-in Watch Dog, the system never hang
- Built-in RS422 / RS485 interface for connection with JST-320
- Built-in tamper switch detects when case is forced open or destroy, the alarm signal output (A,B point) and LED indication



LCD	Humidity	Relay
One Bi-color LED	20%~90%	2 relays Max DC12V 1A
Keypad	Power	Dimension /mm
3 X 4 12Keys ; PR-60C Non	DC 12V 1A	130 (L)x86 (W)x25 (H)
Operation Temperature	Interface	Order information
0~50℃	RS-485/RS-422 (PR-30C Non)	Keypad / Color

PR-35C

Standalone Proximity Access Control Unit



- Frequency is 125KHz
- Reading range from 6~10cm (under normal environment)
- Access control unit includes built-in reader and programming keypad
- Built-in Watch Dog, the system never hang
- Data is protected even after power failure
- Programmable alarm loop enable/disable through keypad
- Access code could be added or deleted through keypad
- Built-in tamper switch detects when case is forced open or destroy, the alarm signal output (A,B point) and LED indication
- Support 15,000 cards (non sequence number)
- With door bell button
- Programmable door release time from 1~250 seconds through keypad
- There are three operating Mode-Card only, Card with Keypad or PIN only

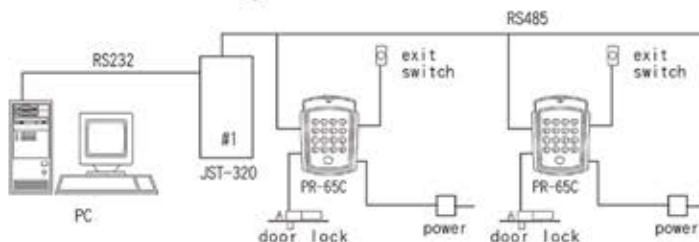


PR-35C
123(L)×93(W)×35(H)mm

PR-65C

Proximity Card Reader For PC On Line Access System

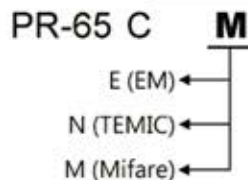
PR-65C Configuration



PR-65C
123(L)×93(W)×35(H)mm

- Frequency is 125KHz
- Reading range from 6~10cm (under normal environment)
- When JST-320 is defective, the PR-65C could work alone, but no door open history record
- Built-in Watch Dog, the system never hang
- Built-in RS422 / RS485 interface for connection with JST-320
- Reader ID could be setting through Dip Switch
- Built-in tamper switch detects when case is forced open or destroy, the alarm signal output (A,B point) and LED indication

Card type



ORDERING INFORMATION

EX: PR-65C-M refers to PR-65C
Mifare proximity reader.

LCD	Humidity	Relay
One LED	20%~90%	2 relays Max DC12V 1A
Keypad	Power	Dimension /mm
3 x 4, 12 keys, Plus a door bell key	DC 12V 1A	130 (L)×86 (W)×25 (H)
Operation Temperature	Interface	
0~50°C	RS-232/RS-485/RS-422	

PR-200

Proximity Card Reader

- Frequency is 125KHz
- Maximum reading range is 14~20cm
- Highly reliable operation with consistent reader range and performance
- Built-in watch dog, the system never hang
- Built-in tamper switch detects when case is forced open or destroy, the alarm signal output (A,B point) and LED indication
- Bi-color LED with internal or host control
- Available with Wiegand interface; TTL or RS485 is in option



PR-200 (Black)
130(L)×86(W)×25(H)mm

PR-200K

Proximity Card Reader with Keypad

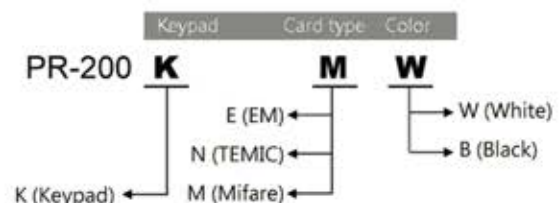


PR-200K (White)
130(L)×86(W)×25(H)mm

- Frequency is 125KHz
- Maximum reading range is 14~20cm
- Highly reliable operation with consistent reader range and performance
- Built-in watch dog, the system never hang
- Built-in tamper switch detects when case is forced open or destroy, the alarm signal output (A,B point) and LED indication
- Bi-color LED with internal or host control
- Available with Wiegand interface; TTL or RS485 is in option
- With 3 x 4 Plastic keys

ORDERING INFORMATION

EX: PR-200-KMW refers to PR-200 Mifare proximity card reader white with Keypad.



Display	Humidity	
One Bi-color LED	20%~90%	
Keypad	Power	Keypad /mm
3 X 4 12 keys (PR-200K)	DC 12V 1A	130 (L)×86 (W)×25 (H)
Operating Temperat	Relay	Order Information
0~50℃	Wiegand	PR-200(K) : Black / White

PR-500M

Mifare Read/Write Card Reader

- Support ISO14443-A
- Operating Frequency:13.56MHz
- Card Type: Read/Write Philips Mifare 1 S50
- Reading Range:3cm~5cm
- Output Interface: USB
- Antenna included
- Beeper indicator
- Bi-color LED indicates operation status

Specification

- Interface: USB2.0
- Operating Environment Temperature : -20~50°C
- Humidity: 20%~90% RH
- Power: USB



PR-500M
110(L)x81(W)x26(H)mm



MCH-928
120(L)x85(W)x39(H)mm

MCH-928

Mifare Insertion Reader / Writer

- Manual insertion type card reader/writer
- Read/Write ISO 14443-A (Mifare Card)
- Card will be locked after insertion card
- Card can be released by program
- RS-232, RS-485, RS-422 interface
- Provide Windows API and Test Program for system integration

Specification

- Card Type : ISO 14443-A Philips Mifare 1 S50
- Frequency : 13.56 MHz
- Reading Distance : 40mm
- Power : DC 12V
- Operating Temperature : -10~60°C

PR-75R

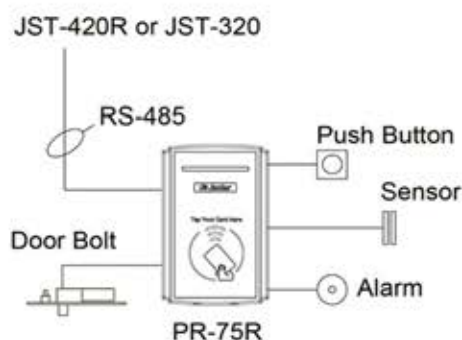
Access Control Reader

Proximity card reader with RS485 interface

- Standard card format is EM. Mifare, HID, Felica, NFC are optional.
- High reading stability and accuracy.
- Effective reading range for EM is 7~15 cm. For Mifare is 3~5 cm.
- Compatible with JST-320 controller, JST-420 controller and JST-425 controller.
- Reader ID is adjustable with dip switch.
- Built-in tamper switch and alarm.
- Available for contacting detector
- With three-color LED controlled by controller.
- With 4 x 4 keypad (optional).
- Built-in contact for exit button and 2 relays.
- Able to identify legal card when disconnecting from controller.
- Able to identify connection between controller via LED color.

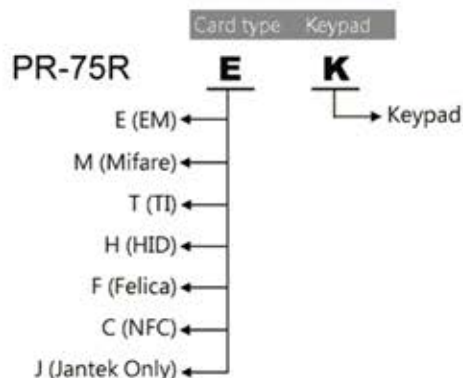
LED indicator
Three colors
Keypad
4 x 4 touch keypad (optional)
Operation Temperature
0~50°C
Humidity
20%~90%
Power
DC 12V 1A
Interface
RS-485
Relay
2 relay contacts Max DC12V 1A
Dimension /mm
130(L) x 86(W) x 28(H)

DIAGRAM



ORDERING INFORMATION

EX: PR-75R-EK refers to PR-75R EM proximity card reader with keypad.



▲ PR-75R Proximity card reader (with touch keypad and LED)
130(L)x86(W)x28(H)mm



▲ PR-75R Proximity card reader (with LED)
130(L)x86(W)x28(H)mm

PR-75W

Access Control Reader

Proximity card reader with Wiegand interface

- Standard card format is EM. Mifare, HID, Felica, NFC are optional.
- High reading stability and accuracy.
- Effective reading range for EM is 7~15 cm. For Mifare is 3~5 cm.
- Wiegand output
- Compatible with JPC-210 controller, JR-46KC converter, PR-80C reader, PR-520C reader, JST-250 controller and JST-420 controller.
- Built-in tamper switch and alarm.
- Available for contacting detector
- With three-color LED controlled by controller.
- With 4 x 4 keypad (optional).

※ PR-75EW (without touch keypad)

LED indicator
Three colors
Keypad
4 x 4 touch keypad (optional)
Operation Temperature
0~50°C
Humidity
20%~90%
Power
DC 12V 1A
Interface
Wiegand
Dimension /mm
130(L) x 86(W) x 28(H)



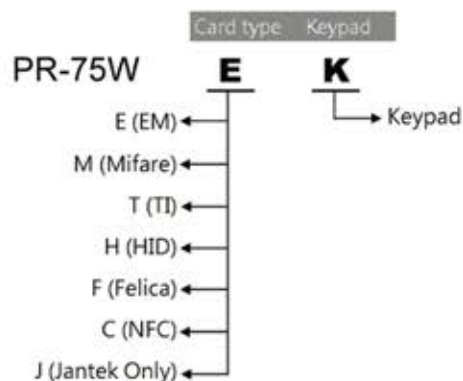
▲ PR-75W Proximity card reader
(with touch keypad and LED)
130(L)x86(W)x28(H)mm



▲ PR-75W Proximity card reader
(with LED)
130(L)x86(W)x28(H)mm

ORDERING INFORMATION

EX: PR-75W-EK refers to PR-75W EM proximity card reader with keypad.



PR-75CD

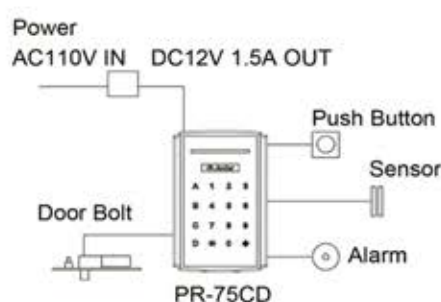
Access Control Reader

Proximity card reader with touch keypad and display

- Standard card format is EM. Mifare, HID, Felica, NFC are optional.
- 15,000 card capacity with 4 digits password.
- 8,000 history records capacity.
- With RTC.
- Operation modes: "0" proximity card + pin code, "1" proximity card only, "2" proximity card only or pin code only, "3" facility code only, "4" prohibitive mode, "5" no access control mode.
- With time zone management and auto mode function.
- Standalone and PC on-line. Our software accepts 255 units of readers in maximum in one access control system.
- Compatible with push button and readers (EX: PR-200 and PR-400) for IN and OUT access control.
- With a RS232 COM port and a RS232/422/485 COM port.
- Available for contacting detector
- Built-in tamper switch and alarm.
- Built-in watch dog.
- Operates independently when PC or TCP/IP shuts down.
- With a Wiegand output.

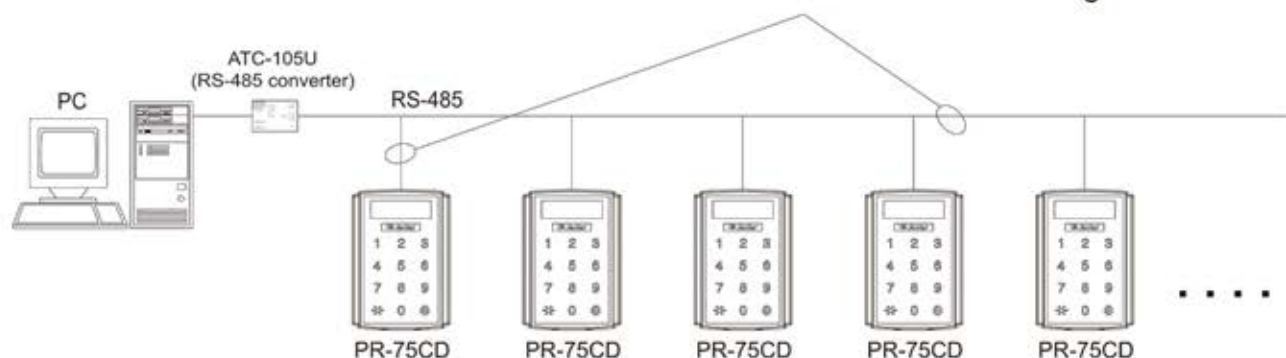
Display
16 characters 2 line backlit display
Keypad
4 x 4 touch keypad
Operation Temperature
-5~50°C
Humidity
0%~90%
Power
DC 12 V 300mA Max
Output contacts
3 NO/NC relays · 1 transistor
Input contacts
1 push button contact · 1 detector contact
Interface
1 RS232 COM port 1 RS232/422/485 COM port
LED indicator
3 bi-colored LED indicators · 3 blue light emitters
Compatible reader
Reader with Wiegand input and output
Dimension /mm
130(L)×86(W)×28(H)

DIAGRAM



CONFIGURATION

Use AWG#22 Twin Pair Shielded Wiring



PR-75CL

Access Control Reader

Proximity card reader with touch keypad

- Standard card format is EM. Mifare, HID, Felica, NFC are optional.
- 15,000 card capacity with 4 digits password.
- 8,000 history records capacity.
- With RTC.
- Operation modes: "0" proximity card + pin code, "1" proximity card only, "2" proximity card only or pin code only, "3" facility code only, "4" prohibitive mode, "5" no access control mode.
- With time zone management and auto mode function.
- Standalone and PC on-line. Our software accepts 255 units of readers in maximum in one access control system.
- Compatible with push button and readers (EX: PR-200 and PR-400) for IN and OUT access control.
- With a RS232 COM port and a RS232/422/485 COM port.
- Available for contacting detector
- Built-in tamper switch and alarm.
- Built-in watch dog.
- Operates independently when PC or TCP/IP shuts down.

LED

Blue Backlit LED

Keypad

4 x 4 touch keypad

Operation Temperature

-5~50°C

Humidity

0%~90%

Power

DC 12 V 300mA Max

Output contacts

3 NO/NC relays · 1 transistor

Input contacts

1 push button contact · 1 detector contact

Interface

1 RS232 COM port

1 RS232/422/485 COM port

LED indicator

3 bi-colored LED indicators · 3 blue light emitters

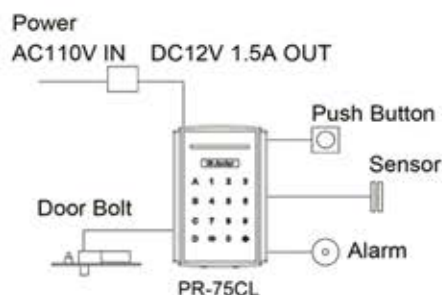
Compatible reader

Reader with Wiegand input and output

Dimension /mm

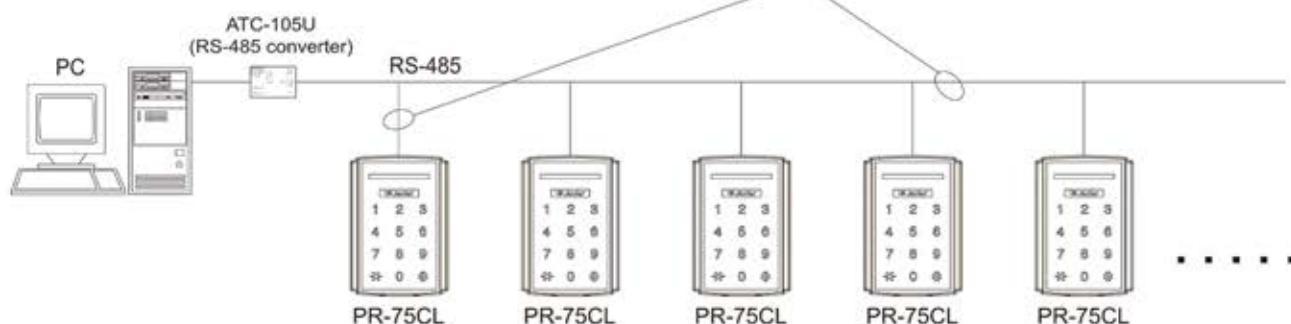
130(L)×86(W)×28(H)

DIAGRAM



CONFIGURATION

Use AWG#22 Twin Pair Shielded Wiring





▲ PR-75CD Proximity card reader
(with touch keypad and display)
130(L)x86(W)x28(H)mm



▲ PR-75CL Proximity card reader
(with touch keypad and LED)
130(L)x86(W)x28(H)mm

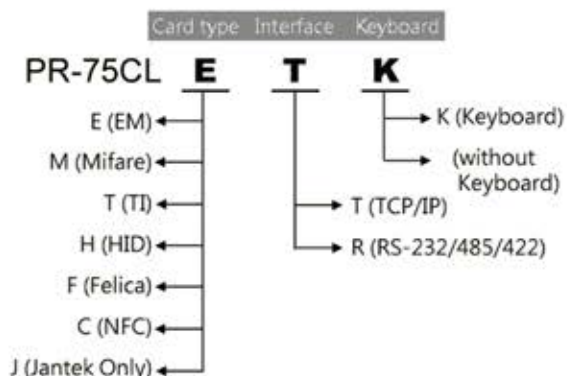
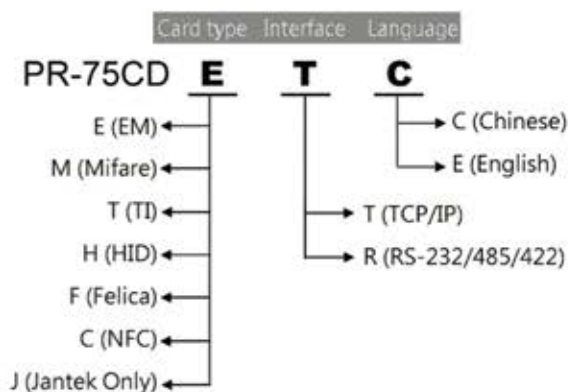


▲ PR-75CL Proximity card reader
(with LED)
130(L)x86(W)x28(H)mm

ORDERING INFORMATION

EX: PR-75CD-E-T-C refers to PR-75CD EM
proximity reader with built-in TCP/IP.

EX: PR-75CL-E-T-K refers to PR-75CL EM
proximity reader with keypad & built-in TCP/IP.



PR-80C / PR-85C

Access Control Reader

PC on-line proximity card reader

PR-80C PC on-line proximity card reader

- Standard card format is EM. Mifare, HID, Felica, NFC are optional.
- Effective reading range for EM is 7~15 cm. For Mifare is 3~5 cm.
- Programmable door closing delay time. Adjustable from 0 to 255 seconds. Alarm will be triggered after set delay time.
- Compatible with push button and readers (EX: PR-200 and PR-400) for IN and OUT access control.
- Connecting with PC via RS232, RS485 or RS422.
- With RTC.
- Built-in watch dog.
- Reader ID is settable with keypad.
- Built-in tamper switch and alarm.
- 10,000 history records capacity.
- Available for contacting detector
- Data is recorded during power failure.
- 10,000 card capacity.
- With another RS232 COM port for connecting printer.
- Operation modes: proximity card + pin code, proximity card only, proximity card only or pin code only, facility code only, no access control mode.
- With holiday management for 60 days in maximum.
- With 3 time zone management and auto mode.

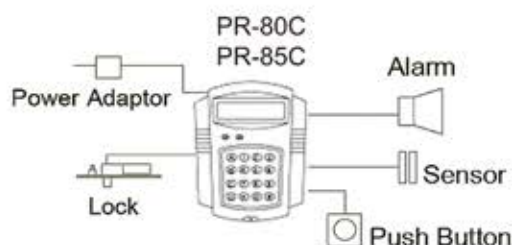
▼ PR-80C / PR-85C
147(L)x119(W)x40(H)mm



PR-85C PC on-line proximity card reader

- Programmable door delay close time from 0~255 seconds, when door unlock over delay time setting, the alarm signal will output
- Support 5,000 cards
- Reading range from 10~16cm (under normal environment)
- Built-in clock and calendar
- Built-in RS232/ RS422/ RS485 interface
- Support 8,000 history record
- Built-in Watch Dog, the system never hang
- Built-in tamper switch detects when case is forced open or destroy, the alarm signal output (A. B. point).
- Data is protected even after power failure
- There are eight programmable time zone, three schedule for user to set different entry time
- Operation mode: Card Only, Card + PIN, PIN or Card, Facility Code Only, Opening or Inhibit Access
- Intranet network with two option devices:
 1. Built-in TCP/IP module
 2. External TCP/IP converter

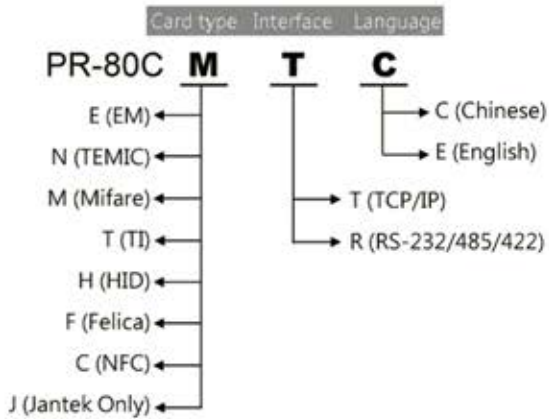
DIAGRAM



Display	Humidity	Interface
PR-80C : 32 characters 2 line backlit display	20%~90%	RS-232/ RS485/ RS422/ TCP/IP
PR-85C : 16 characters 2 line display	Keypad	Power
Relay	4 x 4 keypad	DC 12V 1A
PR-80C : 3 relays Max DC12V 1A	Temperature	Dimension /mm
PR-85C : 2 relays Max DC12V 1A	0~50°C	147(W) X 119(L) X 40(H)

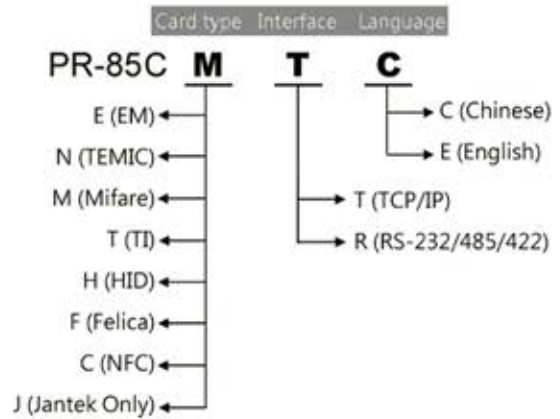
ORDERING INFORMATION

EX: PR-80C-MTE refers to PR-80C Mifare proximity card reader with built-in TCP/IP



ORDERING INFORMATION

EX: PR-85C-MTE refers to PR-85C Mifare proximity card reader with built-in TCP/IP

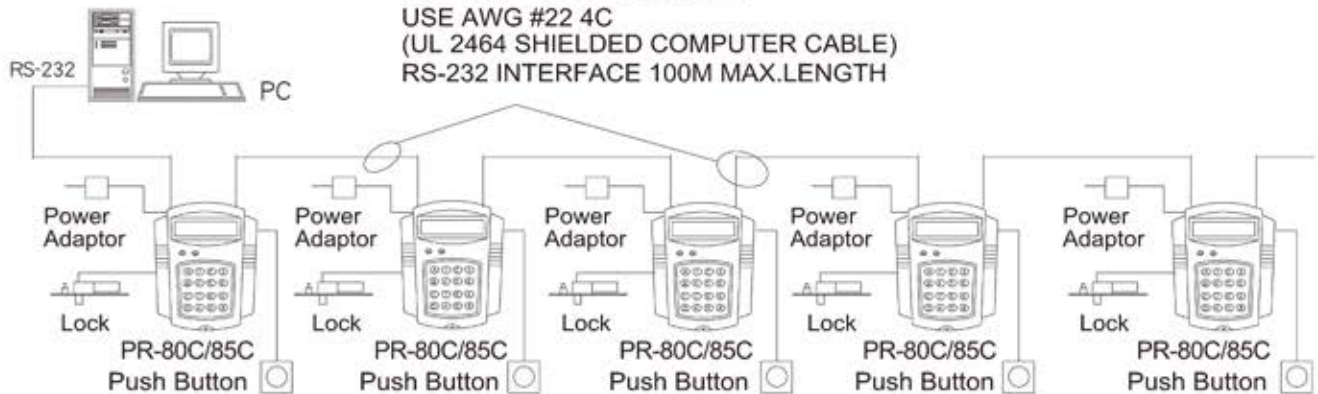


SYSTEM CONFIGURATION

PC on Line Proximity Card Reader Configuration

RS-232 INTERFACE

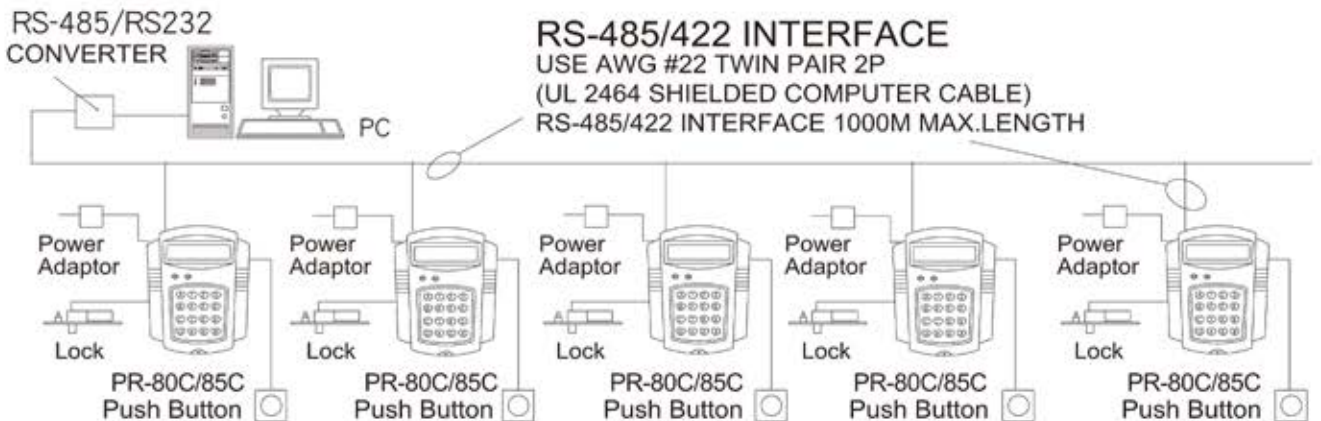
USE AWG #22 4C
(UL 2464 SHIELDED COMPUTER CABLE)
RS-232 INTERFACE 100M MAX.LENGTH



RS-485/RS232 CONVERTER

RS-485/422 INTERFACE

USE AWG #22 TWIN PAIR 2P
(UL 2464 SHIELDED COMPUTER CABLE)
RS-485/422 INTERFACE 1000M MAX.LENGTH



PR-90C

PC on Line Proximity Card Reader

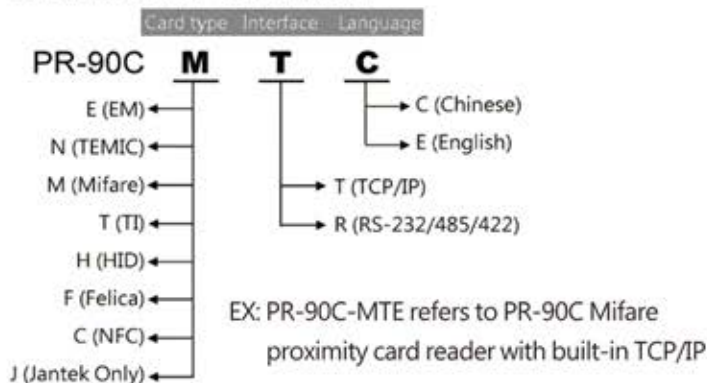


- Standalone or PC on line
- There are eight programmable time zone, three schedule for user to set different entry time
- Support 10,000 cards
- Built-in RS232/ RS422/ RS485 interface
- Support 10,000 history record
- Built-in clock and calendar
- Data is protected even after power failure
- Inside door can be installed a push button or PR-200 / PR-300
- With real-time printing function (RS232 port), can be connected to a serial printer
- Operation mode: Card Only, Card + PIN, PIN or Card, Facility Code Only, Opening or Inhibit
- Intranet network with two option devices:
 1. Built-in TCP/IP module
 2. External TCP/IP converter

DIAGRAM



ORDERING INFORMATION



MR-90C / BR-90C

Magstripe Card Reader / Barcode Reader



- Use ISO ABA Track II magnetic stripe reader and card (MR-90C)
- Use Barcode Reader (UPC/EAN/JAN, Code39, Code11, Code32, Interleave25, Industrial25, Code128, Code93) (BR-90C)
- Other functions are same as PR-90C

Specifications :

- LCD : 2 X 16 Characters (Backlit LCD)
- Keypad : 4 X 4, 16 keys (Backlit Keys)
- Power requirement : DC 12V 1Amp
- Dimensions : 160(L) X 185(W) X48(H) mm
- Relay : 3 relay contact (Max. DC 12V 1Amp)

PR-90CB

- Only width is smaller than PR-90C, other functions are same as PR-90C
- Dimensions : 190(L) X 138(W) X48(H) mm



LCD

16 characters 2 line display

Keypad

4 x 4 backlit keypad

Operation Temperature

0~50°C

Humidity

20%~90%

Power

DC 12V 1A

Relay

3 relays Max. DC 12V 1A

Dimension /mm

PR-90C : 190 (L)x166 (W)x48 (H)

MR-90C/BR-90C : 190 (L)x165 (W)x48 (H)

PR-90CB : 190 (L)x138 (W)x48 (H)

PR-520C

Access Control Reader

PC on-line proximity card reader with touch keypad

- Standard card format is EM. Mifare, HID, Felica, NFC are optional.
- Effective reading range for EM is 7~15 cm. For Mifare is 3~5 cm.
- Programmable door closing delay time. Adjustable from 0 to 250 seconds.
Alarm will be triggered after set delay time.
- Connecting with PC via RS232, RS485 or RS422. TCP/IP is optional.
- With RTC.
- Built-in tamper switch and alarm.
- Built-in watch dog.
- Reader ID is settable with keypad.
- 20,000 card capacity.
- 20,000 history records capacity.
- Available for contacting detector
- Data is recorded during power failure.
- Compatible with push button and readers (EX: PR-200 and PR-400) for IN and OUT access control.
- With another 2 RS232 COM port for connecting printer and other usage.
- Operation modes: proximity card + pin code, proximity card only, proximity card only or pin code only, facility code only, no access control mode.
- With 3 time zone management and auto mode.
- With holiday management for 60 days in maximum.

▼ PR-520C

143(L)× 104(W)×31(H)mm

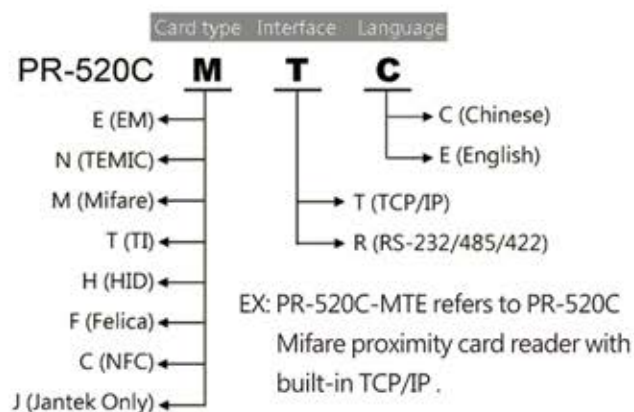


DIAGRAM

※Configuration on P18.



ORDERING INFORMATION



LCD	Humidity	Interface
128 x 64 dot backlit LCD	20%~90%	RS232/ RS485/ RS422/ TCP/IP
Keypad	Power	
4 x 4 backlit keypad	DC 12V 1A	Dimension /mm
Operation Temperature	Relay	143 (L)×104 (W)×31 (H)
0~50°C	4 relays Max DC12V 1A	

PR-100C

Access Control Reader

PC on-line proximity card reader

- Standard card format is EM. Mifare, HID, Felica, NFC are optional.
- Effective reading range for EM is 7~15 cm. For Mifare is 3~5 cm.
- Connecting with PC via RS232, RS485 or RS422. TCP/IP is optional.
- With RTC.
- Built-in tamper switch and alarm.
- With 3 time zone management and auto mode.
- With holiday management for 60 days in maximum.
- Programmable door closing delay time. Adjustable from 0 to 255 seconds.
Alarm will be triggered after set delay time.
- Built-in watch dog. Reader parameter is adjustable via keypad.
- Compatible with push button and readers (EX: PR-200 and PR-400) for IN and OUT access control.
- Operation modes: "0" proximity card + pin code, "1" proximity card only, "2" proximity card only or pin code only, "3" facility code only, "4" prohibitive mode, "5" no access control mode.
- 20,000 card capacity.
- 20,000 history records capacity.
- Operates independently when PC or TCP/IP shuts down.
- With 2 Wiegand input.
- IP 65 certified. Waterproof.

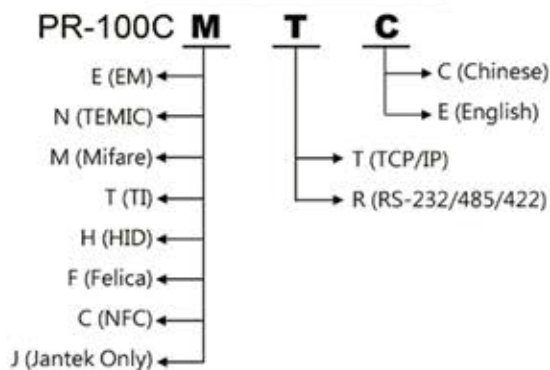
▼ PR-100C
160(L)× 120(W)×40(H)mm



ORDERING INFORMATION

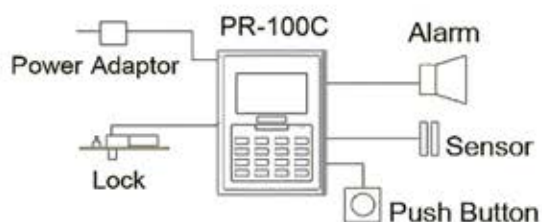
EX: PR-100C-MTE refers to PR-100C Mifare proximity card reader with built-in TCP/IP .

Card type Interface Language



DIAGRAM

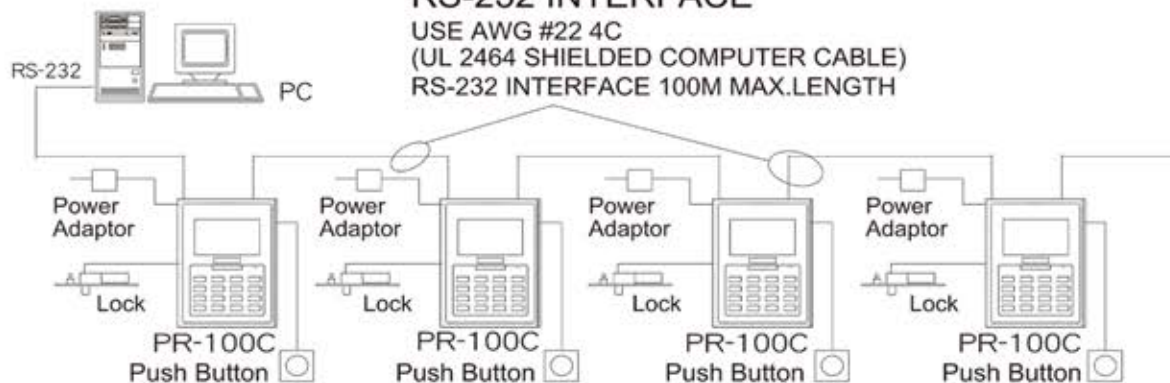
※Configuration on P18.



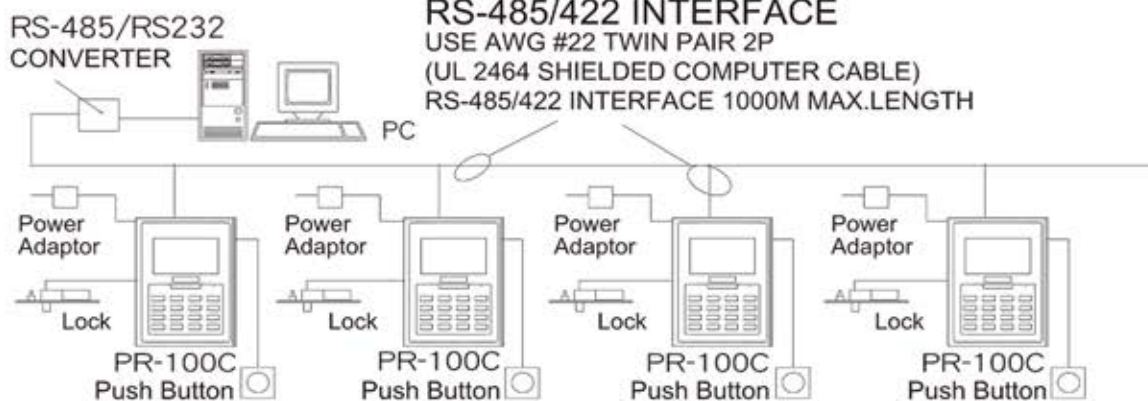
LCD	Humidity	Interface
128 x 64 dot backlit LCD	20%~90%	RS232/ RS485/ RS422/ TCP/IP
Keypad	Power	
4 x 4 backlit keypad	DC 12V 1A	Dimension /mm
Operation Temperature	Relay	194 (L)×162 (W)×48 (H)
0~50°C	4 relays Max DC12V 1A	

RS-232 INTERFACE

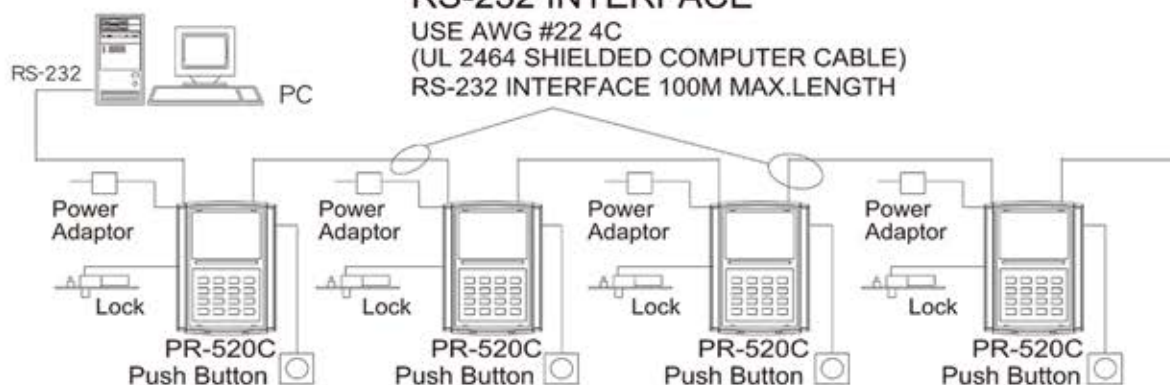
USE AWG #22 4C
(UL 2464 SHIELDED COMPUTER CABLE)
RS-232 INTERFACE 100M MAX.LENGTH

**RS-485/422 INTERFACE**

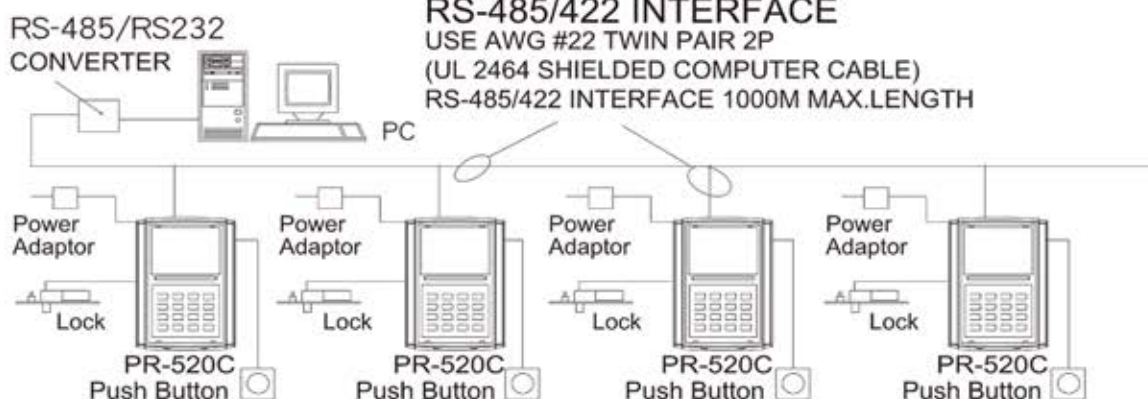
USE AWG #22 TWIN PAIR 2P
(UL 2464 SHIELDED COMPUTER CABLE)
RS-485/422 INTERFACE 1000M MAX.LENGTH

**RS-232 INTERFACE**

USE AWG #22 4C
(UL 2464 SHIELDED COMPUTER CABLE)
RS-232 INTERFACE 100M MAX.LENGTH

**RS-485/422 INTERFACE**

USE AWG #22 TWIN PAIR 2P
(UL 2464 SHIELDED COMPUTER CABLE)
RS-485/422 INTERFACE 1000M MAX.LENGTH



PR-700

Access Control Reader

Long range proximity card reader

PR-700 long range proximity card reader is stable and disturbance resistant. The reading range remains stable.

Features

- Frequency is 125KHz.
- Waterproof. Available for outdoor use.
- Effective reading range is 70 cm while using with PC-6180 proximity card. (with no environmental disturbance)
- Card format is EM-Mar in H4001/H4002 and compatible chip.
- Wiegand (26, 34, 42 bit), RS-232, ABA Track II (10, 14 digits) output



LED indicator
Bi-colored
Color
Gray
Operation Temperature
-20~60℃
Humidity
0%~95% RH
Working frequency
125KHz
Compatible card format
EM-Mar in H4001/H4002 and compatible chip
Reading range
70 cm while using with PC-6180 proximity card (with no environmental disturbance)
Output interface
WIEGAND(26.34.42) 、 RS-232 、 ABA TrackII (10.14 digits)
Buzzer
Built-in
Red light
Power Indicator
Green light
Detect indicator
Power
DC 12V
Power consumption
130mA
Weight
980g ± 2%
Dimension /mm
262(L) x 262(W) x 30(H)

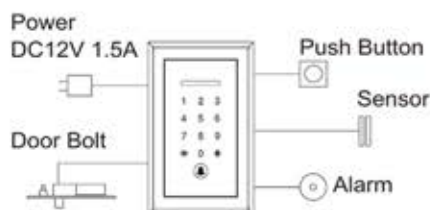
PR-710C

Access Control Reader

Proximity card reader with touch keypad

- Standard card format is EM. Mifare, HID, Felica, NFC are optional.
- With 3-colored LED indicators to show status.
- With door bell button.
- 20,000 card capacity.
- With a contact for push button.
- With a relay output for electric drop bolt.
- With a D/I input for detector.
- With a Wiegand output.
- With a buzzer.
- Blue backlit 13 keys keypad is optional.
- A DIP switch for adjusting reader ID from 1 to 255 is optional.
- With ISP function for updating firmware.

DIAGRAM



PR-710 ▶

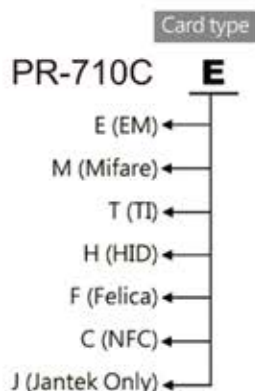
119(L)×73(W)×38(H)mm



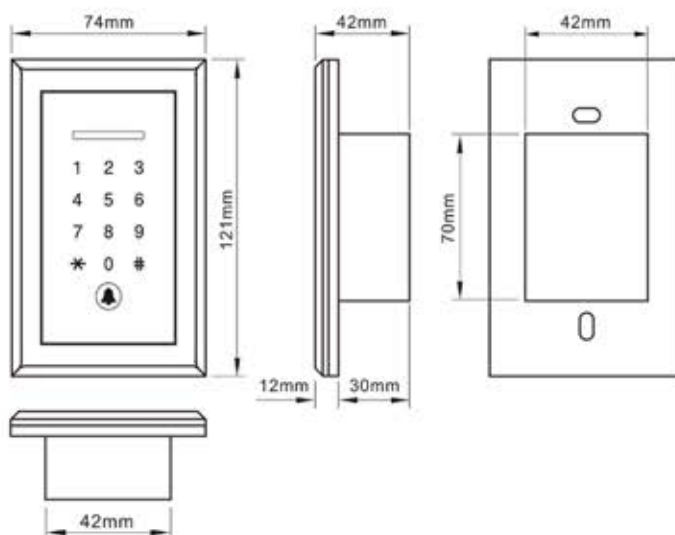
LED indicator	Power
Three colors	DC 9V~12V
Input and Output	Operation Temperature
Relay output • D/I input	0~55°C
Interface	Dimension /mm
Wiegand	119 (L) X 73 (W) X 38 (H)

ORDERING INFORMATION

EX: PR-710C-E refers to PR-710C EM proximity card reader.



DIMENSION



Split access controller

- With 3 bi-color LED indicators.
- With a beep.
- Provide 2 D/I contacts for controlling door bolt and sensor.
- With a Wiegand input.
- With a RS232 interface.
- With ISP for upgrading firmware.
- With 2 relay output. (4 relay output is optional.)
- 16 D/I input is optional.
- A RS485 interface is optional.
- Memory with 15,000 card capacity is optional.
- A DIP switch for setting card reader ID from 1 to 512 is optional.

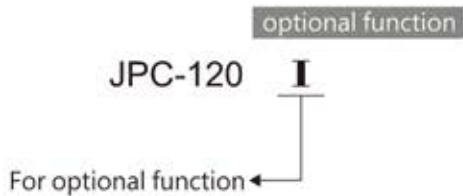
JPC-120 Split access controller ▼
96.5(L)×50(W)×31.6(H)mm



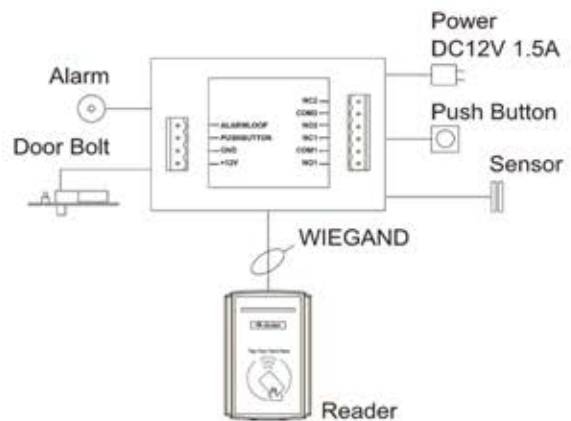
Power	Relay
DC 12V 1.5A	2 relays Max DC12V 1A
Operation Temperature	Dimension /mm
0~50°C	96.5 (L) X 50 (W) X 31.6 (H)
Humidity	
20%~90%	

ORDERING INFORMATION

EX: JPC-120-I refers to JPC-120 controller with optional function



DIAGRAM



JPC-210

Standalone Reader Controller



▲ JPC-210
110(L)x95(W)x29(H)mm

- Standalone single door Controller
- Split system keeps your door secure
- Support 1,000,000 cards
- Proximity Reader is available (Magnetic stripe Reader, Barcode Reader is the option device)
- Operating Mode-Card only or free access (Facility Code only)
- Programmable door release time from 1~254 seconds through command mode
- Built-in Watch Dog, the system never hang
- Data is protected even after power failure
- Programmable alarm loop enable/disable through command mode
- Access Code could be added or deleted through command mode

JR-46KC

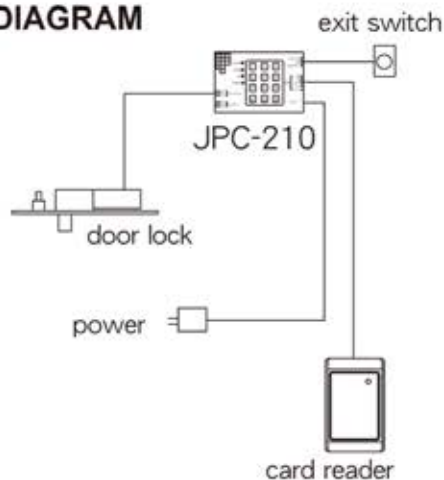
Interface Converter



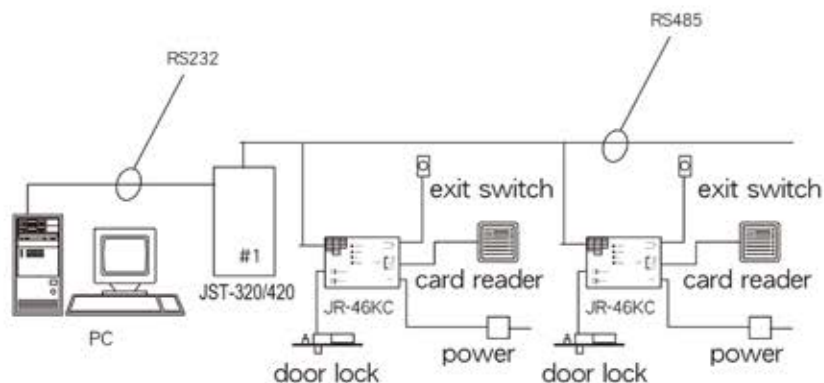
▲ JR-46KC
110(L)x95(W)x26(H)mm

- With Wiegand or TTL interface which can be transferred to be RS232 or RS485 signal output
- Built-in one alarm loop for sensor or other detector
- Built-in two Relay for NO/NC signal output as the interface of JST-320
- Proximity Reader is available (Magnetic stripe Reader, Barcode Reader is the option device)
- When JR-46KC disconnect to JST-320 panel, the Card capacity is 1,000,000, but those cards must legal to open door on the reader

DIAGRAM



JST-320/420 & JR-46KC configuration



Keypad	Operation Temperature
3 x 4 keypad ; JR-46KC Non	0~55℃
Relay	Humidity
2 relays Max. DC 12V 1A	20% - 90%
Power	Dimension /mm
DC 12V 1A	JPC-210 110 (L) X 95 (W) X 29 (H) JR-46KC 110 (L) X 95 (W) X 26 (H)

JST-250-02

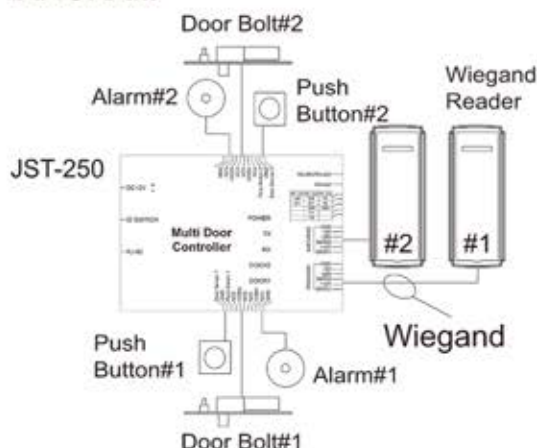
Access Controller

Proximity card reader controller for 2 doors



◀ JST-250-02 Two Door Controller
110(L)x95(W)x26(H)mm

DIAGRAM



- 15,000 card capacity with 4 digit pin code.
- 8,000 history capacity
- With RS232/RS485 interface. TCP/IP is optional.
- Operates independently when PC or TCP/IP shuts down.
- Settings and history are saved for 10 years without power supply.
- Available to set several time schedules for each door.
- Built-in real time clock IC to record entry and exit time
- Data is recorded during power failure.
- Compatible with push button and readers (EX: PR-200 and PR-400) for IN and OUT access control.
- Operation modes: proximity card + pin code, proximity card only, proximity card only or pin code only, facility code only, no access control mode.
- Built-in watch dog
- With 4 NO/NC relay output.
- With 5 LED indicators.
- With a buzzer.
- Reader ID is settable with DIP switch.

Temperature	Output	Dimension /mm
0~60°C	4 DO	110(L)x 95(W)x 26(H)
Power	input	Interface
DC 12V/1.5A	4 DI	2* RS-232/RS-485

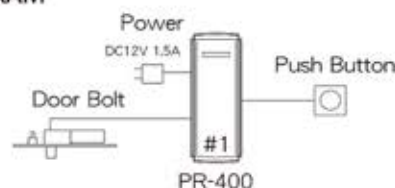
PR-400

Mini Proximity card Reader

- EM is a standard reader, Mifare, HID, ... is an optional device
- Read range is about 8 cm
- Waterproof for indoor or outdoor use
- Multicolor LED which control by internal or host
- Available with Wiegand interface, ABA II or RS232 or RS485 is in option
- Connectible with PR-80C、PR-90C、PR-100C、PR-520C、JST-250、JST-420W、JPC-210 and so on

Temperature	Power	Dimension /mm
-5~50°C	DC 12V	102(L)x 40(W)x 19(H)
Humidity	Current Consumption	
0%~90%	50~160mA	

DIAGRAM

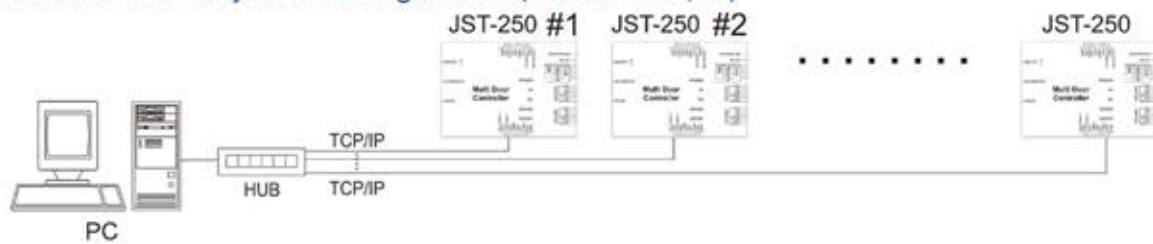


ORDERING INFORMATION

EX: PR-400-M refers to PR-400 Mifare card proximity reader.

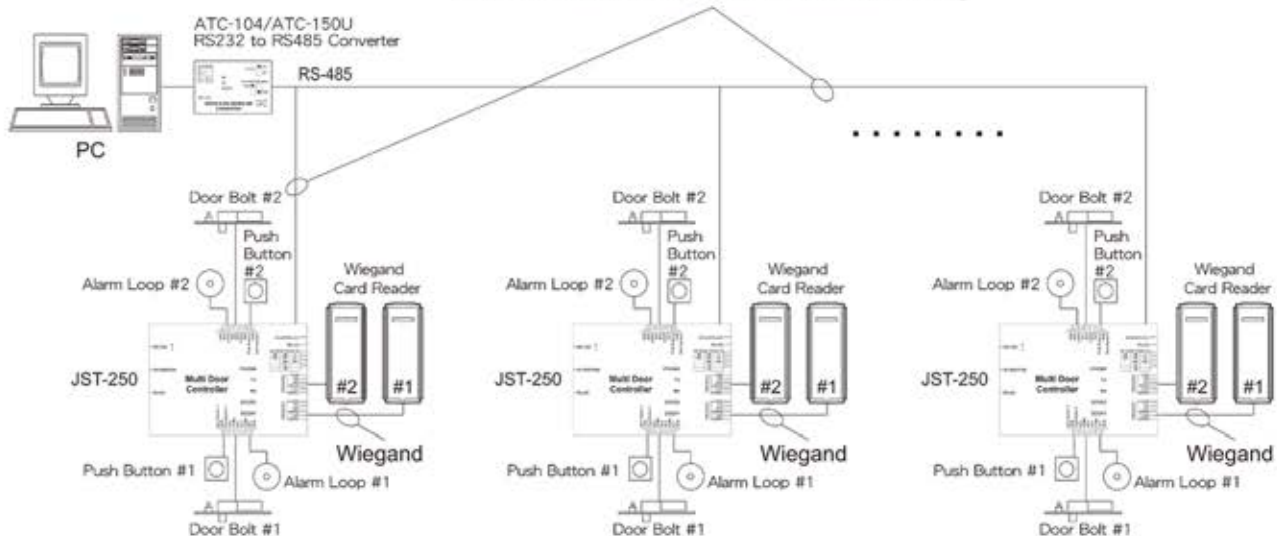


A: JST-250 to PC System Configuration (Built-in TCP/IP)



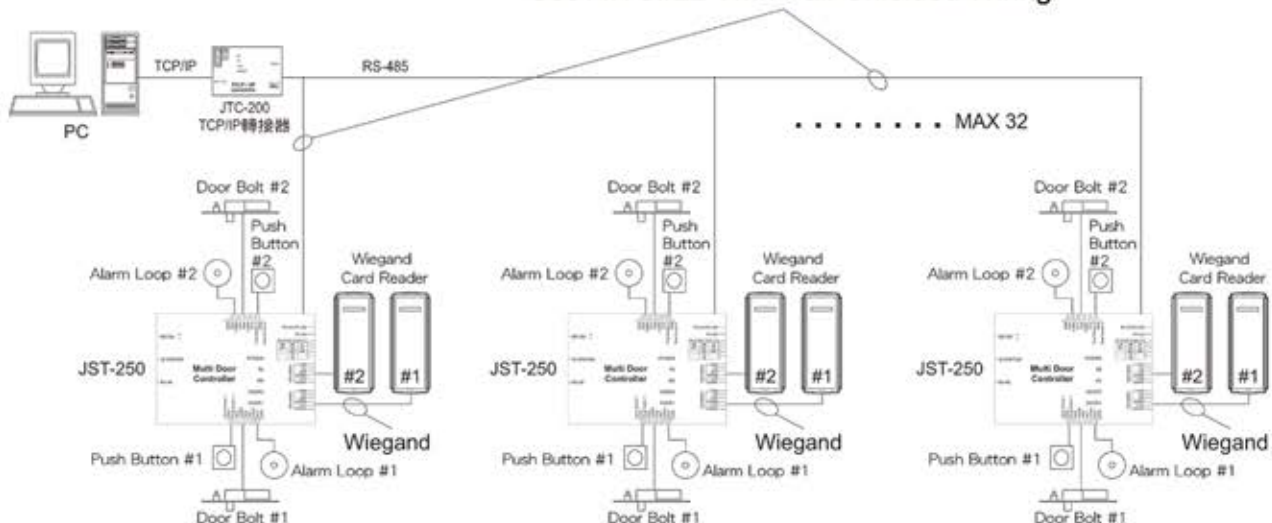
B: JST-250 to RS-485 Card Reader Configuration (RS-485)

Use AWG#22 Twin Pair Shielded Wiring



C: JST-250 to RS-485 Card Reader Configuration (TCP/IP Converter)

Use AWG#22 Twin Pair Shielded Wiring



JST-420W

Access Controller

Multi Door Access Control System (Wiegand)

- PC on line through the software, when PC or internet shut down, the Controller can work alone
- Support 4 Wiegand readers with relay to trigger the door lock
- Support up to 190,000 history transaction or alarm data
- Support up to 31,000 cards, each card can be set 4 digit personal ID
- Network communication via RS232/RS485 or TCP/IP (optional)
- Built-in Watch Dog feature
- Built-in clock and calendar
- 8 Programmable time zones, 3 schedules per time zone
- Door open mode: Card only, Card with Keypad, Card or Keypad, Opening or Inhibit access
- Built-in buzzer
- To control I/O board (JRB series) for remote control
- Programmable door release time or alarm time
- Controller ID is programmable through internal Keypad and LCD display
- System setting and history data is protected even after power failure
- With 8 Relay NO/NC output
- With 8 D/I digital input
- With one reset button to reset the controller
- With ISP function to update the program of controller
- With one emergency dry contact when fire is occurrence, the controller will trigger all door locks open
- With 12 LED, eight LED indicate the Relay ON/OFF status, two LED indicate the communication status between Controller and PC



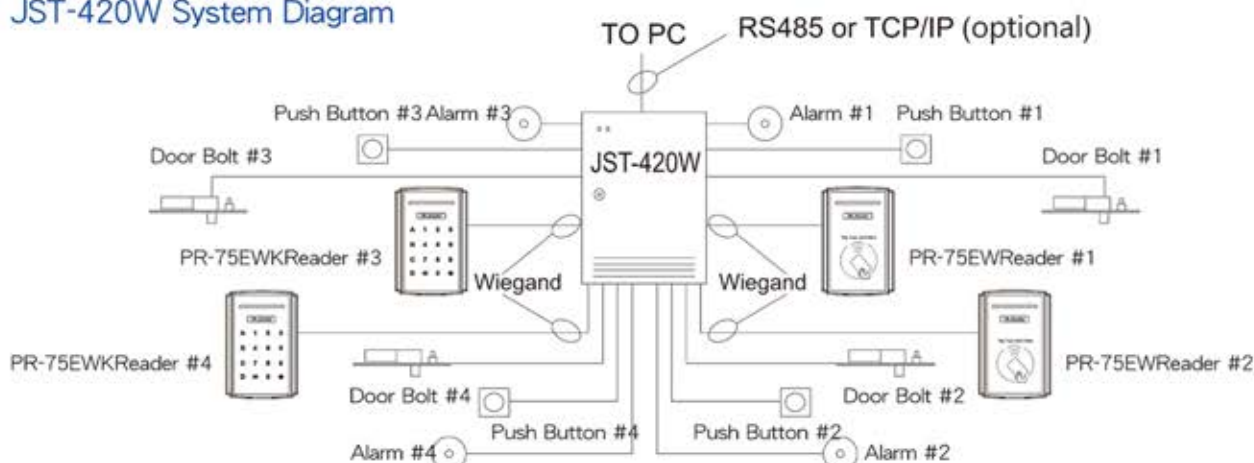
▲ JST-420W Multi Door Access Control System
290(L)x240(W)x60(H)mm



▲ JST-420W PCB Board

LCD	Dimension/mm	Power
16 x 2 Character	290(L)x 240(W)x 60(H)	775W Switching Power (UL, CB, CCC approved)
Operating Temperature	Keypad	INPUT : 100-240VAC OUTPUT : +12VDC
0~60°C	4 x 4 keys	

JST-420W System Diagram



JST-420R

Access Controller

Multi Door Access Control System(RS-232/RS-485)

- PC on line through the software, when PC or internet shut down, the Controller can work alone
- To Control 16 x RS485 interface reader
- Support 190,000 history transaction or alarm data
- Card capacity is 31,000 cards, each card can be set 4 digit personal ID
- Network communication via RS232/RS485 or TCP/IP (optional)
- Built-in Watch Dog feature
- Built-in clock and calendar
- Auto detect Reader status
- 8 Programmable time zones, 3 schedules per time zone
- Door open mode: Card only, Card with Keypad, Card or Keypad, Opening or Inhibit access
- Built-in buzzer
- To control I/O board (JRB series) for remote control
- Programmable door release time or alarm time
- Controller ID is programmable through internal Keypad and LCD display
- System setting and history data is protected even after power failure
- With one reset button to reset the controller
- With ISP function to update the program of controller
- With one emergency dry contact when fire is occurrence, controller will trigger all door locks open
- With 4 LED, two LED indicate the communication status between Controller & PC, two LED indicate the communication status between Controller and Reader



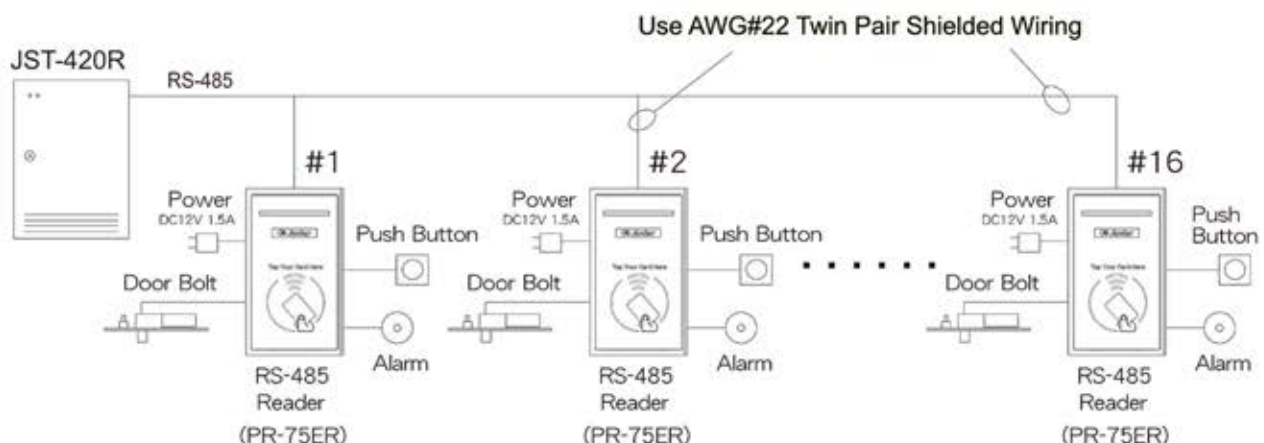
▲ JST-420R Multi Door Access Control System
290(L)x240(W)x60(H)mm



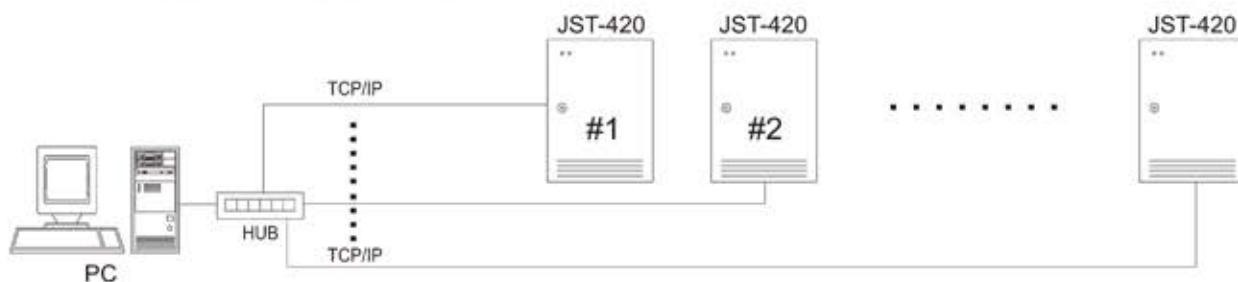
▲ JST-420R PCB Board

LCD	Dimension/mm	Power
16 x 2 Character	290(L)x 240(W)x 60(H)	775W Switching Power (UL, CB, CCC approved)
Operating Temperature	Keypad	INPUT : 100-240VAC OUTPUT : +12VDC
0~60°C	4 x 4 keys	

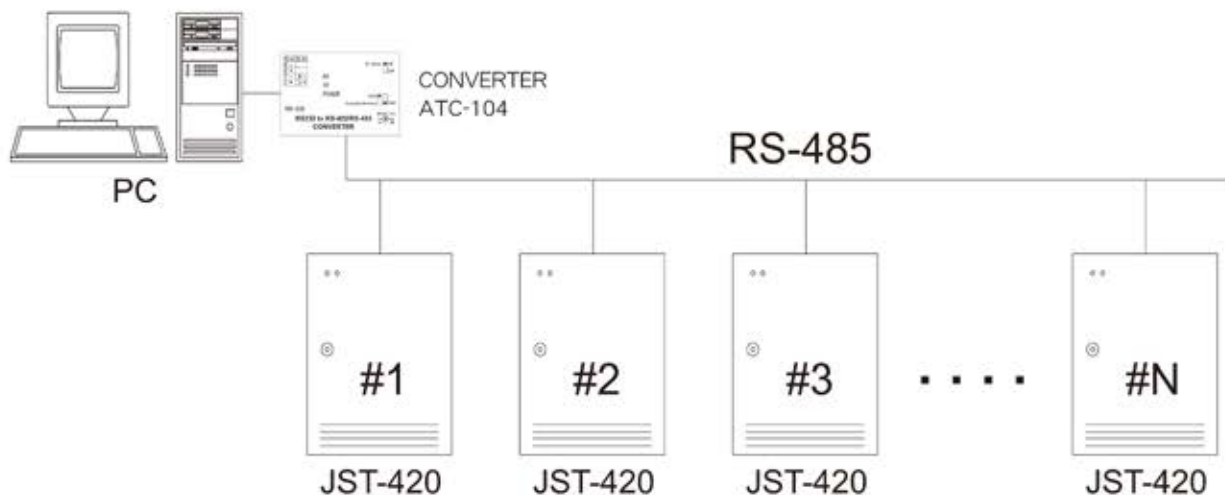
JST-420R & RS-485 Reader System Diagram (RS-485)



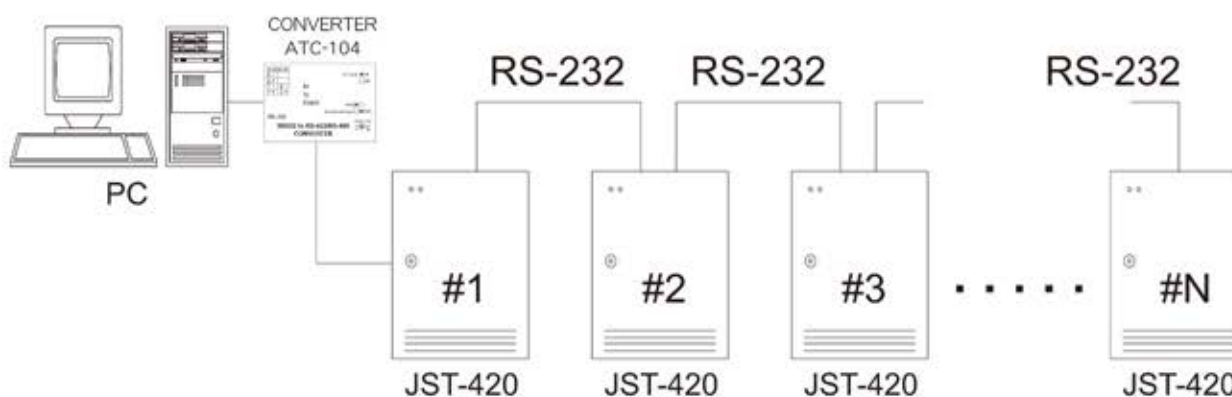
JST-420 System Configuration (TCP/IP)



JST-420 System Configuration (RS-485)



JST-420 System Configuration (RS-232)



FP-200 D/E

Biometric Access Control Reader

Fingerprint and proximity card access control system

- Standard card format is EM. Mifare, HID and others are optional.
- Effective reading range for EM is 7~15 cm. For Mifare is 3~5 cm.
- Programmable door closing delay time. Adjustable from 0 to 255 seconds.
Alarm will be triggered after set delay time.
- Backlit keypad and LCD display.
- RS485 and RS422 interfaces. TCP/IP is optional.
- With RTC.
- 10,000 history capacity.
- 1,000 user capacity for FP-200D. 4,000 user capacity for FP-200E.
- Built-in watch dog.
- Reader ID is settable with DIP switch.
- Built-in tamper switch and alarm.
- Available for contacting detector
- Data is recorded during power failure.
- Compatible with push button and readers (EX: PR-200 and PR-400) for IN and OUT access control.
- Operation modes: card + fingerprint, pin code + fingerprint, card or pin code + fingerprint, fingerprint only.
- Users can select card or pin code only if their fingerprints are hard to recognize.
- Fingerprint recognition less than 1 second.
- 1: 1 and 1: N fingerprint recognition.

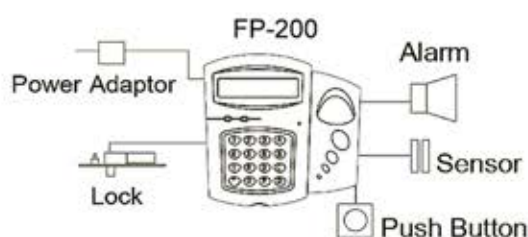
▼ FP-200 D/E

183(L)×185(W)×48(H)mm



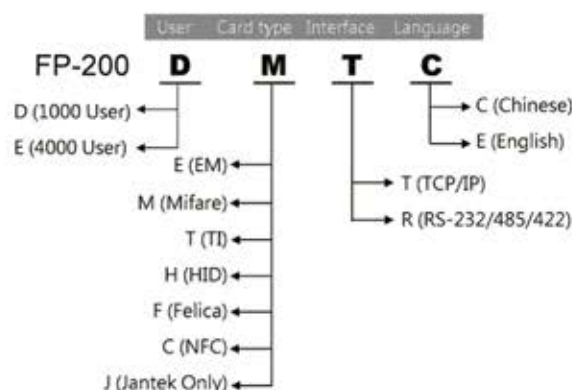
DIAGRAM

※Configuration on P33.



ORDERING INFORMATION

EX: FP-200D-MTE refers to FP-200D Mifare proximity and fingerprint reader with built-in TCP/IP for 1,000 users.



LCD	Humidity	FAR
16 x 2	20%~90%	<1/100,000
Keypad	Power	FRR
4 x 4 backlit keypad	DC 12V 1A	<1/1,000
Operation Temperature	Relay	Dimension /mm
0~50°C	3 relays Max. DC 12V 1A	183(L) x 185(W) x 48(H)

FP-300 D/E

Biometric Access Control Reader

Fingerprint and proximity card access control system

- Standard card format is EM. Mifare, HID and others are optional.
- Effective reading range for EM is 7~15 cm. For Mifare is 3~5 cm.
- Programmable door closing delay time. Adjustable from 0 to 255 seconds. Alarm will be triggered after set delay time.
- Backlit keypad and LCD display.
- RS485, RS232 and RS422 interfaces. TCP/IP is optional.
- With RTC.
- 20,000 history capacity.
- 1,000 user capacity for FP-300D. 4,000 user capacity for FP-300E.
- Built-in watch dog.
- Reader ID is settable with keypad.
- Built-in tamper switch and alarm.
- Available for contacting detector
- Data is recorded during power failure.
- Compatible with push button and readers (EX: PR-200 and PR-400) for IN and OUT access control.
- Operation modes: card + fingerprint, pin code + fingerprint, card or pin code + fingerprint, fingerprint only.
- Users can select card or pin code only if their fingerprints are hard to recognize.
- Fingerprint recognition less than 1 second.
- 1: 1 and 1: N fingerprint recognition.
- IP65 certified. Available for outdoor use

▼ FP-300 D/E

194(L)x162(W)x54(H)mm

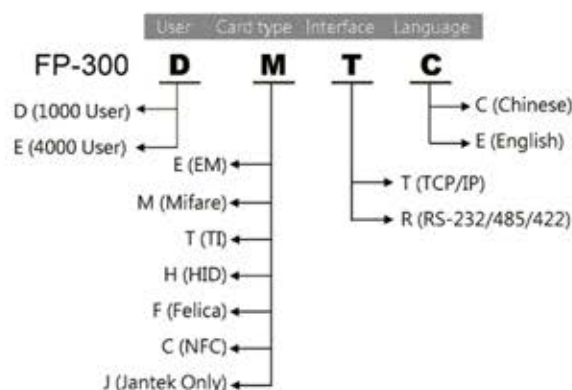
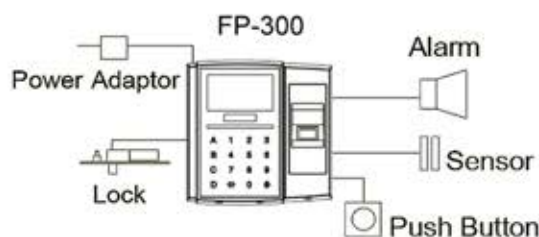


ORDERING INFORMATION

EX: FP-300D-MTE refers to FP-300DMifare proximity and fingerprint reader with built-in TCP/IP for 1,000 users.

DIAGRAM

※Configuration on P33.



LCD	Humidity	FAR
128 x 64 dot backlit LCD	20%~90%	<1/100,000
Keypad	Power	FRR
4 x 4 backlit keypad	DC 12V 1A	<1/100
Operation Temperature	Relay	Dimension /mm
-20~50°C	4 relays Max. DC 12V 1A	194 (L)x162 (W)x54 (H)

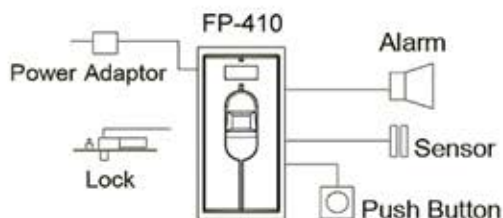
FP-410

Biometric Access Control Reader

Proximity with Fingerprint Access Control System

- Support 950 users (Each user can enroll 2 templates)
- Fingerprint identification method: 1:1 or 1:N
- Support 8,000 history record
- With infrared keypad unit for programming
- Built in RS232/ RS422/ RS485
- Operation mode: Fingerprint only, Card only
- Identification time could be 0.8 seconds under 1:1 with 950 users
- Built-in Watch Dog, the system never hang
- Built-in tamper switch detects when case is forced open or destroy, the alarm signal output (A,B point) and LED indication

DIAGRAM ※Configuration on P33.



◀ FP-410
161(L)x82(W)x48(H)mm

JKP-015(Keypad Unit)
90(L)x55(W)x8(H)mm



Display	Humidity	FAR
Three digit seven-segment LED display	20%~90%	<0.001%
Keypad	Power	FRR
JKP-015(Keypad Unit)	DC 12V 1A	0.1%
Operation Temperature	Relay	Dimension /mm
-20~50°C	2 relays Max. DC 12V 1A	161 (L)x82 (W)x48 (H)

※ Illustration:



Suggestion :

1. After fix the back cover and body reader on the wall, tear the 3M pasteur to fix the front cover on the body reader.
2. If you don't want to fix the front cover on the body reader, you don't need to tear the 3M pasteur to fix it, but just place the front cover on the body reader.

1.How to fix the front cover

Tear the 3M pasteur which in the back of front cover

2.How to take off the front cover



※ Setting:

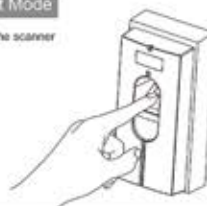


⇒ Setting by keypad

※ Usage:

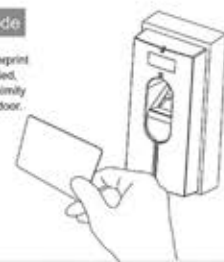
A.Fingerprint Mode

Place the finger on the scanner to open the door.



B.Card Mode

When user's fingerprint is hard to be verified, user can use proximity card to open the door.



FP-400 A/B

Biometric Access Control Reader

Fingerprint and proximity card access control system

- Standard card format is EM. Mifare, HID and others are optional.
- Effective reading range for EM is 7~15 cm. For Mifare is 3~5 cm.
- Programmable door closing delay time. Adjustable from 0 to 255 seconds. Alarm will be triggered after set delay time.
- Backlit keypad and LCD display.
- RS485, RS232 and RS422 interfaces. TCP/IP is optional.
- With RTC.
- 20,000 history capacity.
- 950 user capacity for FP-400A. 4,750 user capacity for FP-400B.
- Built-in watch dog.
- Reader ID is settable with keypad.
- Built-in tamper switch and alarm.
- Available for contacting detector
- Data is recorded during power failure.
- Compatible with push button and readers (EX: PR-200 and PR-400) for IN and OUT access control.
- Operation modes: card + fingerprint, pin code + fingerprint, card or pin code + fingerprint, fingerprint only.
- Users can select card or pin code only if their fingerprints are hard to recognize.
- Fingerprint recognition less than 1 second.
- 1: 1 and 1: N fingerprint recognition.
- IP65 certified. Available for outdoor use

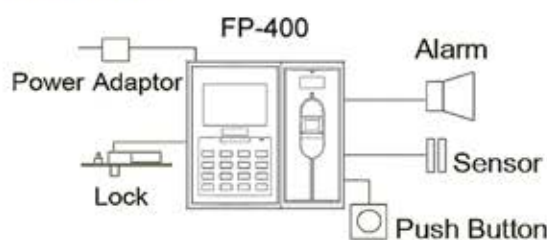
▼ FP-400 A/B

194(L)x162(W)x48(H)mm



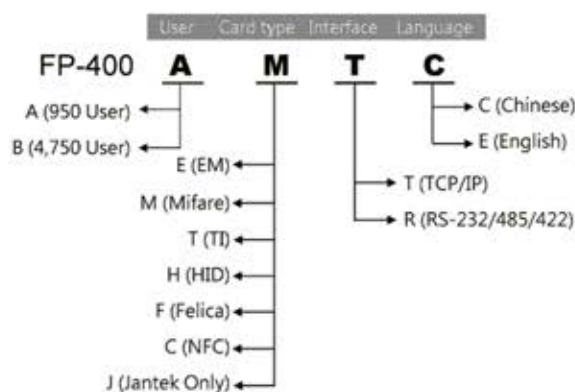
DIAGRAM

※Configuration on P33.



ORDERING INFORMATION

EX: FP-400A-MTE refers to FP-400A Mifare proximity and fingerprint reader with built-in TCP/IP for 950 users.



LCD	Humidity	FAR
128 x 64 dot backlit LCD	20%~90%	<1/100,000
Keypad	Power	FRR
4 x 4 backlit keypad	DC 12V 1A	<1/100
Operation Temperature	Relay	Dimension /mm
-20~50°C	4 relays Max. DC 12V 1A	194 (L)x162 (W)x48 (H)

FP-500 A/B

Biometric Access Control Reader

Fingerprint and proximity card access control system

- Standard card format is EM. Mifare, HID and others are optional.
- Effective reading range for EM is 7~15 cm. For Mifare is 3~5 cm.
- Programmable door closing delay time. Adjustable from 0 to 255 seconds. Alarm will be triggered after set delay time.
- Backlit keypad and LCD display.
- RS485, RS232 and RS422 interfaces. TCP/IP is optional.
- With RTC.
- 20,000 history capacity.
- 950 user capacity for FP-500A. 4,750 user capacity for FP-500B.
- Built-in watch dog.
- Reader ID is settable with keypad.
- Built-in tamper switch and alarm.
- Available for contacting detector
- Data is recorded during power failure.
- Compatible with push button and readers (EX: PR-200 and PR-400) for IN and OUT access control.
- Operation modes: card + fingerprint, pin code + fingerprint, card or pin code + fingerprint, fingerprint only.
- Users can select card or pin code only if their fingerprints are hard to recognize.
- Fingerprint recognition less than 0.8 second.
- 1: 1 and 1: N fingerprint recognition.

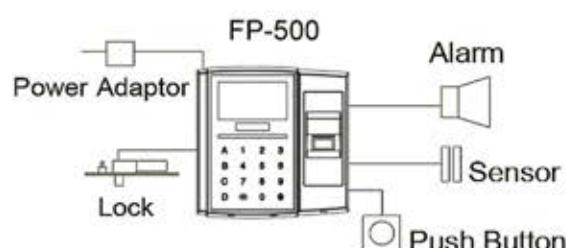
▼ FP-500 A/B

143(L)x142(W)x38(H)mm



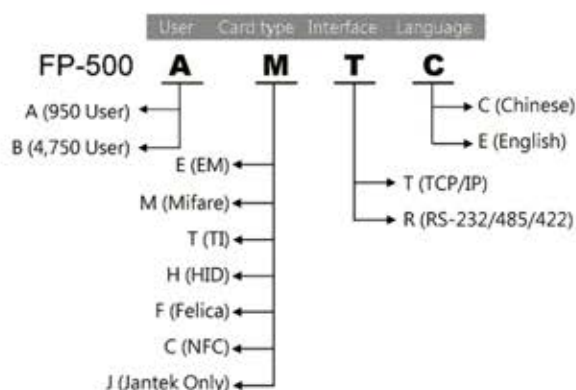
DIAGRAM

※Configuration on P33.



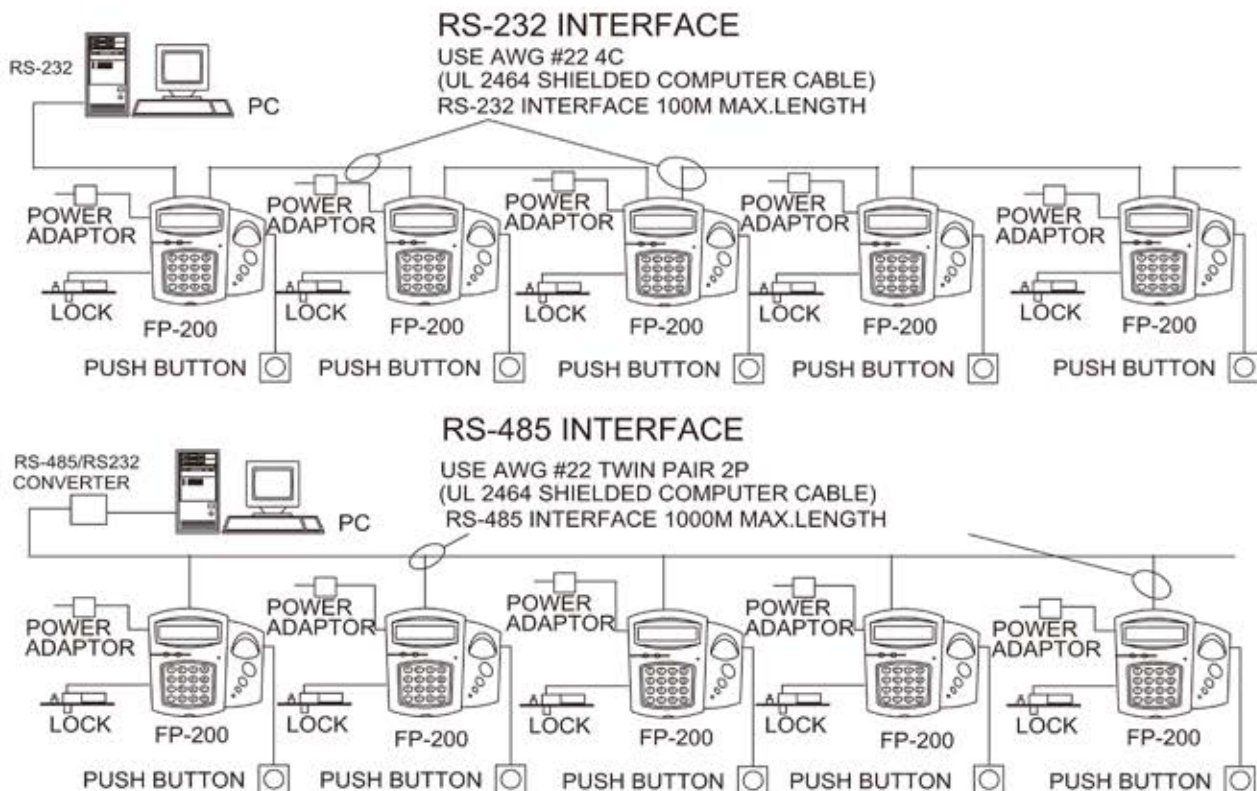
ORDERING INFORMATION

EX: FP-500A-MTE refers to FP-500A Mifare proximity and fingerprint reader with built-in TCP/IP for 950 users.



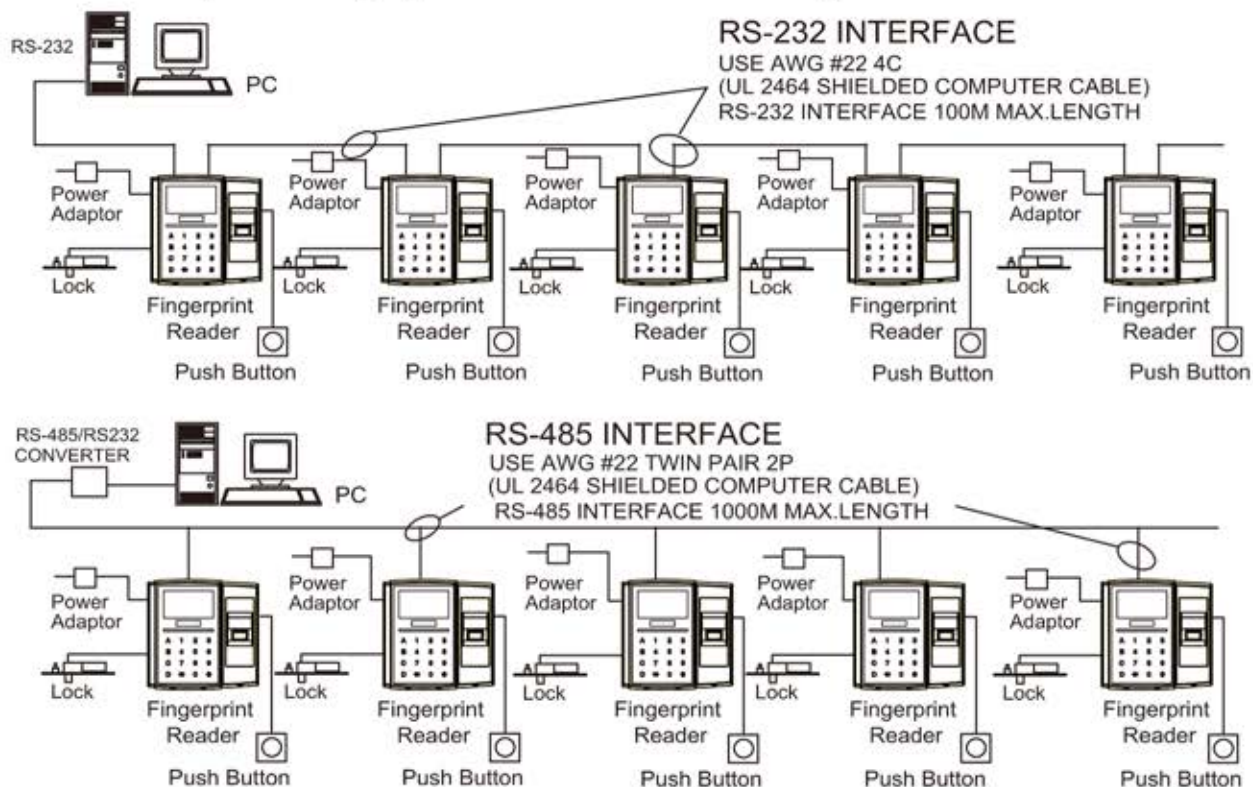
LCD	Humidity	FAR
128 x 64 dot backlit LCD	20%~90%	<1/100,000
Keypad	Power	FRR
4 x 4 backlit keypad	DC 12V 1A	<1/100
Operation Temperature	Relay	Dimension /mm
-20~50°C	4 relays Max. DC 12V 1A	143 (L)x142 (W)x38 (H)

※ FP-200 Proximity With Fingerprint Access Reader Configuration



※ FP-300/ 400/ 410/ 500

Proximity With Fingerprint Access Reader Configuration



UFP-200

Optical Fingerprint Capture Device

- Fast and perfect identification through excellent algorithm
- Small and excellent design for users' convenience
- With the robust durability, it has longer life span
- Applicable to personal identification device through fingerprint identification
- UFP-200 is compatible with FP-200/ FP-300

Application Area

- Security for computer and network
- E-commerce
- Security for banking and financial institutes for user authentication
- Medical information system
- Other fields requiring user authentication (SSO, CRM, electronic payment and etc)

UFP-200 ▶
40.4(L) x 27.2(W) x 73.3(H) mm

CE FC WHQL
Certificate : KC, UL, CE, FCC



Specifications

Interface	Power	OS
USB 1.1 / 2.0	USB BUS Power	Windows 2K/XP/Vista/7, Windows Server 2003/2008, Linux Kernel 2.6 or later
Resolution	Operating Temperature	
500DPI	-20~60°C	
Image Size	Humidity	Dimensions /mm
256 x 320 pixels	< RH 90%	27.4(L) x 40.5(W) x 73.7(H)

UFP-500

Optical Fingerprint Capture Device

- Fast and perfect identification through excellent algorithm
- Small and excellent design for users' convenience
- With the robust durability, it has longer life span
- Applicable to personal identification device through fingerprint identification
- UFP-500 is compatible with FP-400/ FP-410/ FP-500

Application Area

- Security for computer and network
- E-commerce
- Medical information system
- Other fields requiring user authentication (SSO, CRM, electronic payment and etc)
- Security for banking and financial institutes for user authentication

UFP-500 ▶
90(L) x 66(W) x 58(H) mm

CE FC MIC
Certificate : KC, UL, CE, FCC



Specifications

Interface	Power	OS
USB 2.0	USB BUS Power	Windows 2K/XP/Vista/7, Windows Server 2003/2008, Linux Kernel 2.6 or later
Resolution	Operating Temperature	
500DPI	-10~50°C	
Image Size	Humidity	Dimensions /mm
248 x 292 pixels	< RH 90%	90(L) x 66(W) x 58(H)

- Standalone Terminal, without PC/Server to process recognition
- Facial recognition in less than 1 second
- Supports 1:N identification mode and 1:1 verification mode
- Capacity: 1000 Users for JFR-100A, 10,000 Users for JFR-100B (1:1)
50 Users for both JFR-100A & JFR-100B (1: N)
- Support history record for JFR-100A is 10,000 JFR-100B is 50,000
- Support operation under Stand Alone Mode or Network Mode
- Friendly Web-Based management interface
- Event log with image snapshots
- High-Sensitivity CCD camera with proprietary IR Illuminator
- There are 64 programmable time zone for user to set different entry time (set by website)
- Wiegand Input / Output, RS-232, RS-485 interface for connection to external devices (card reader or keypad)
- 3.5" TFT Color LCD
- Built-in Relays, Exit Switch, Digital Inputs
- 10/100 Fast Ethernet; Optional IEEE 802.3af compliant PoE (Power over Ethernet)
- CGI-Based SDK available for integration with 3rd party systems and equipments
- Can be program by JKP-015 Infrared remote keypad instead of PR-200K
- Operating Environment Temperature: 0~50°C
- Humidity: 20%~90% RH
- Power: DC 12V 1A
- FRR: Below 0.5%
- FAR: Below 0.001%

JFR-100

175(L)×82(W)×88(H)mm



PR-200K

130(L)×86(W)×25(H)mm

Feature Highlights



User friendly and easy to operate

- The LCD on-screen display provides simple and interactive instructions guiding users to position their faces during authentication. No prior user training is necessary
- User can stand 45cm~70cm away from terminal to complete authentication in 1 second or less



Web-based system administration

- User can access to JFR-100's Web-based system administration program from any Web browsers (IE, Apple Safari) to perform system administration and user management
- CGI-based SDK (Software Development Kit) allows seamless integration with other subsystems (e.g. CMS, NVR)



Powerful system event and image log

- JFR-100 can accurately record up to 50,000 system events and take snapshot if required (imposter alarm capability)
- System event log can be searched and sorted according to time, type, and user identity



Interoperability

- JFR-100 has built-in relays and sensors for access control installation. Alternatively, it can connect to an external relay/controller box (JPC-210 or PR-520C) via RS485 interface to enhance system security

Why JFR-100 ?



A truly embedded system

- Equipped with the most advanced DSP technology, JFR-100 is an embedded system that requires no external computer to operate
- Minimizes chance of tampering, saves energy and lowers TCO (Total Cost of Ownership)



Near Infrared-based facial recognition technology

- Reduces interference coming from object background that may affect recognition accuracy
- Provides superior performance and accuracy over color-based facial recognition (authenticate user in < 1 second)



Reliable under different environments and conditions

- Immune to changing light conditions (minimize problem relates to enrollment in light condition A and verification in light condition B)
- Works under dim light condition or complete darkness • Works with users who wear glasses



Internet Protocol (IP) based access control system

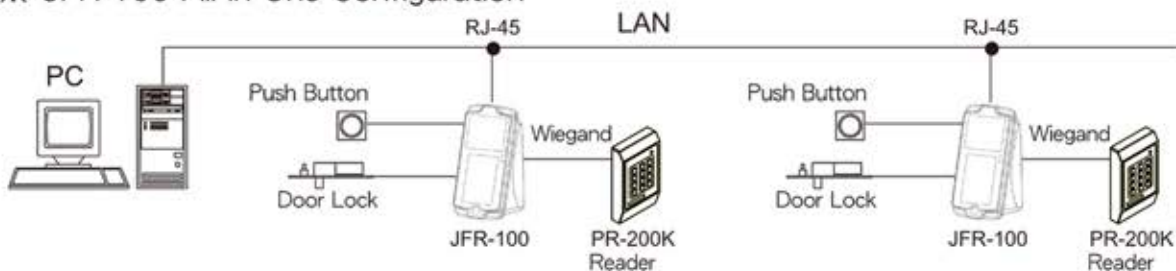
- When used with non IP-based card readers, JFR-100 converts each card reader into an IP-based card reader without additional cost
- Fulfills technology trends such as IP-centric environment, remote monitoring, and distributed intelligence to access control point



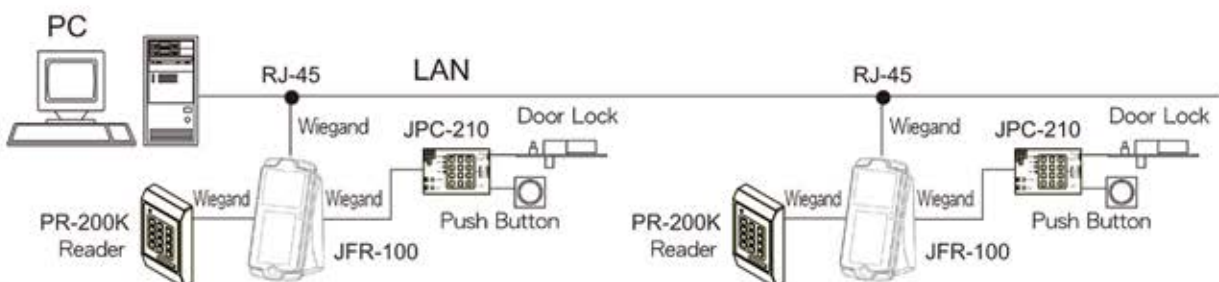
Energy efficient and compact form factor

- The smallest form factor among all facial recognition systems • Low power consumption (12Watts in operation, < 5Watts in standby mode)
- Ideal for 24x7 operations and mobile deployment

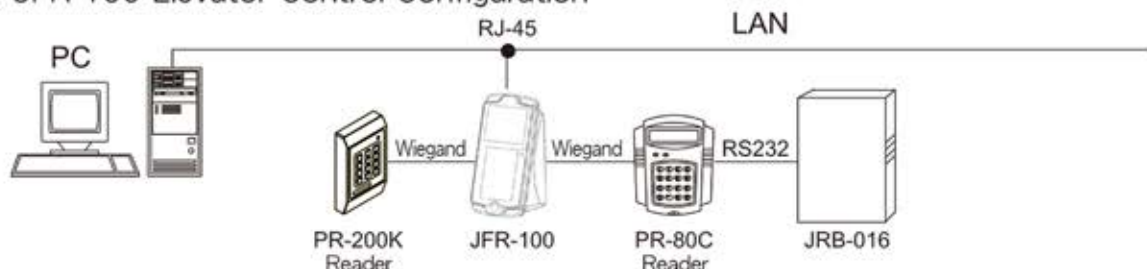
※ JFR-100 All in One Configuration



※ JFR-100 Controller Separate Configuration



※ JFR-100 Elevator Control Configuration



PV-200 / PV-200C

Biometric Access Control Reader

PalmVein Secure System

- Using Fujitsu Palm Secure module. It's the newest biometric technology
- The contactless, feature means it is sterile and hygienic
- Short distance palm-scanning with near-infrared
- Near 100% successful enrollment rate
- For time attendance and access control system
- Contactless palm vein technology is difficult to forge as it takes the images of vein pattern that are internal to the body
- Door open mode: Palm + Card, Card Only, Pin + Palm, Opening, Inhibit Access
- Standalone or PC on line through JAS software
- Reader & Controller in separate which making your door more secure
- Built-in tamper switch detects when case is forced open or destroy, the alarm signal output (A,B point) and LED indication
- Support 10,000 users
- Support 100,000 history record
- IP65 Water Proof (reader only)

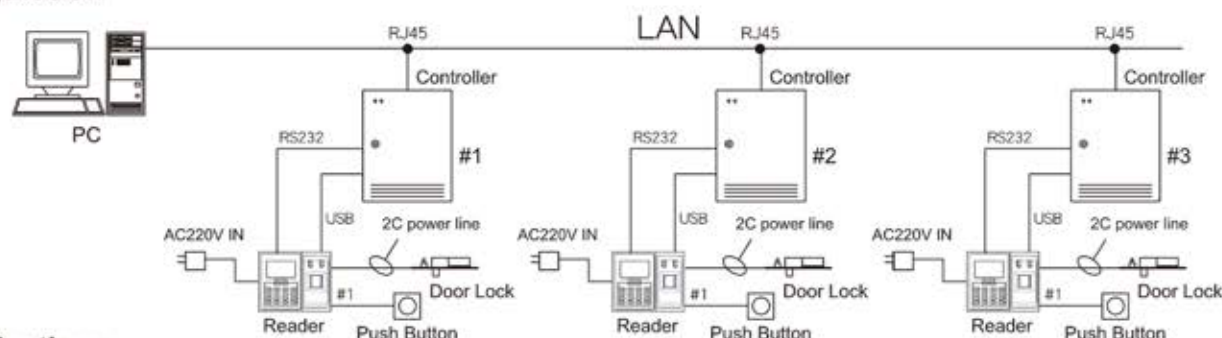
PV-200C ▶
(Indoor / Contactless)



PV-200 ▶
(Outdoor / IP65 Water Proof)



Configuration



Specifications

Display
128 x 64 Dot (Blue Backlight LCD)
Keypad
4 x 4 16 Keys (Blue Backlight LED)
Power
INPUT AC100V-240V OUTPUT 5V 4.0A / 12V 1A
FAR
Below 0.00008%
FRR
0.01%
Dimension/mm
194 (L)x162 (W)x95 (H)



▼ Controller



▼ Reader



USB
RS232



JMF-10 / JMF-20 Module

Mifare Read / Write Module



◀ JMF-10 (with antenna)

72(L)×40(W)×10(H)mm

- Support ISO14443A
- Operating Frequency:13.56MHz
- Card Type:Philips Mifare 1 S50
- Reading Range from 3cm~5cm
- Communication Interface:RS232 9600,n,8,1
- Output Interface:
Wiegand 26 、 34 、 etc....or ISO ABA II
- Can connect extra LED
- Antenna is included

• JMF Professional :

For developing Mifare module

For developing complex reading and writing function

• JMF General :

Simple reading and writing Mifare module.

For top-up and pre-paid purpose.



JMF-20 (without antenna) ▲

54(L)×22(W)×10(H)mm

- Support ISO14443A
- Operating Frequency:13.56MHz
- Card Type:Philips Mifare 1 S50
- Reading Range from 3cm~5cm
- Communication Interface:RS232 9600,n,8,1
- Output Interface:
Wiegand 26 、 34 、 etc....or ISO ABA II
- Can connect extra LED
- Antenna is excluded

Operation Temperature
0~50℃
Humidity
20%~90%
Antenna
JMF-10 Yes ; JMF-20 Non
Power
DC5V 200mA
Dimension /mm
JMF-10 72(L)×40(W)×10(H)
JMF-20 54(L)×22(W)×10(H)

JDF-20 / NFC-100

Module

Module

◀ JDF-20 Mifare desfire Module 72(L)x40(W)x10(H)mm



- DES, 3K3DES, AES decryption algorithm.
- Small volume, low power consumption, low voltage
- Anti-collision
- RF data rate: 106k / 212k / 424k / 848k bps
- Requiring additional antenna only.
- Available to read and write DESfire EV1 and Mifare Class proximity card
- Supporting MAD1/MAD2/MAD3
- API is available to provide.
- Providing RS232 interface or Wiegand interface

Power	Reading range
5VDC 50mA	2~6 cm
Frequency	Interface
13.56MHz	RS-232 or WIEGAND
	Dimension /mm
	72(L)x40(W)x10(H)

▼ NFC-100 NFC Antenna Module 68(L)x26(W)x7(H)mm



- With various ferrimagnetic material, outstanding RF performance for maximum operating distance. Shielding antenna module against the influence of influence of metal plane. Customized antenna module shape, dimensions and matching circuit design for easy integration of all 13.56MHz NFC applications.

Application :

1. Smart phone, Tablet PC and Notebook with NFC function.
2. RFID Tags and RFID Reader/Writer units.
3. Contactless smart card.
4. Mobile phone and handheld electronic electronics.

Frequency	NFC
13.56MHz	128 /AES-128
Input Voltage	Operation Temperature
5V	-20~65°C
Interface	Dimension /mm
RS-232	68(L)x26(W)x7(H)

JTM-200 / JTC-200

TCP/IP Converter

- Transfer RS-232, RS-485, RS-422 to TCP/IP
- No need to install Driver, can be set or upgrade by browser



Power requirement	CPU
0~55℃	32 bit CPU, 80MHZ
Operation Humidity	Memory
5~95% RH	4MB FLASH, 8MB SDRAM
Operation Temp.	Connector Type
-20~85℃	JTC-200 : DB9 (Male) / RJ-45
Surge protection	Watch Dog
Serial port 15KV ESD	Support Watch Dog, System never hang
Magnetic protected	No. of serial Port
Ethernet port 1.5KV	1
Approval	Baud rate
JTC-200 : CE	1200 bps~115.2kbps
Parity Check	Power requirement
None, even, odd, Mark, Space	JTM-200 : DC5V, Max.300mA JTC-200 : DC9V~24V, Max.600mA
Data bits	Dimensions /mm
5, 6, 7, 8	JTM-200 : 68(L)×26(W)×7(H) JTC-200 : 120(L)×75(W)×25(H)
Stop bits	Ethernet
1, 2	JTM-200 : 10/100 base-T(half/full duplex) JTC-200 : 10/100 base-T(Auto Detecting)
Flow Control	Serial
RTS/CTS	JTM-200 : TTL JTC-200 : RS-232/485/422, half/full duplex
Signals	
RS-232:TxD, RxD, RTS, CTS, GND RS-485 2 wire: A+/B- RS-422 4 wire: T+/T-, R+/R-	
Supported OS	
JTM-200 : Windows XP, Windows 2000, Windows NT, Windows95/98 ME, Linux, UNIX JTC-200 : Windows XP, Windows 2000, Windows NT, Windows95/98 ME, Vista	
Protocol	
JTM-200 : TCP, IP, UDP, Telnet, ARP, DHCP, ICMP、SMTP、PPPoE、HTTP、DDNS JTC-200 : TCP, IP, UDP, ARP, DHCP, ICMP、HTTP、DDNS	

ATC-104 / ATC-105U Converter

RS232/RS485/RS422 to RS485/RS422/USB

- Converts RS232 to RS485/RS422
- Data transmission rates up to 115.2K bps
- Transmission distance up to 4000 ft (1250 meters)
- User selectable by switch for HALF/FULL DUPLEX
- Auto switch the HALF DUPLEX TX without extra I/O control
- With LED indicator for transmission and receiving data
- Easy to install with screw terminal connector
- Termination (120 Ohm) resistor is selectable by switch
- Built in transient voltage suppressor against the thunder
- Built in optical couple isolator (Option device)

▼ ATC-104 RS232 to RS485/RS422 Converter
120(L)x75(W)x25(H)mm



Operation Temperature	Power
0~65°C	+9V ~ +12VDC 300mA (minimum)
Humidity	Dimension /mm
20%~90%	120 (L) X 75 (W) X 25 (H)
	Interface
	RS232 to RS-485/RS422



◀ ATC-105U RS485/RS422 to USB CONVERTER
450(L)x35(W)x18(H)mm

Communication Effective Length	Operation Temperature
RS-485 → 1.2KM / RS-422 → 1.2KM	-40 ~ 85°C , Humidity: 10% ~ 95%
Baud Rate	USB Signal
300~115200 bps, automatic detect the serial port speed.	VCC 、 DATA+ 、 DATA- 、 GND 、 FG
Load Ability	RS-485 Signal / RS-422 Signal
In point to multi-points each converter can connects 256 units of RS-422	T+ 、 T- / T+ 、 T- 、 R+ 、 R-
	LED
	Power 、 RX 、 TX LED indicate
Standard	Surge Protection
USB V2.0 、 EIA RS-485 、 RS-422	15 KV ESD for all signals
Support OS	Power
Windows95/98/2000/xp/Vista/Win7	USB 25 mA,DC5V

JRB-04IO / 08IO / 16IO

IO Board

IO Board

- Interface : RS232/RS485/RS422 or TCP/IP (Option device)
- Extendable memory or timer IC with 8000 history record (Option device)
- IO port was protected by optical coupling
- Connectable with Wiegand proximity reader
- Connect with PR-80C elevator reader for floor control
- JRB-04 IO board with 4 D/I & 4 D/O
- JRB-08 IO board with 8 D/I & 8 D/O
- JRB-16 IO board with 16 D/I & 16 D/O



Specifications

Operation Temperature

0~50°C

Humidity

20%~90%

Power

AC110V~220V

Dimension /mm

290(L)x240(W)x60(H)

Output (Relay)

JRB-04IO : 4 Relay

JRB-08IO : 8 Relay

JRB-16IO : 16 Relay

Input

JRB-04IO : 4 Ponit

JRB-08IO : 8 Ponit

JRB-16IO : 16 Ponit

Power supply

POWER INPUT : 88~246VAC

POWER OUTPUT : 15V 4A

12V 1A

RELAY Contacting

DC 24V 3A

DC 30V 1A

AC 120V 2A

▼ JRB-04IO 4 IO Board
290(L)x240(W)x60(H)mm

▼ JRB-08IO 8 IO Board
290(L)x240(W)x60(H)mm

▼ JRB-16IO 16 IO Board
290(L)x240(W)x60(H)mm



JRB-016 / JRB-032

IO Board

Relay Board Assembly (Elevator Controller)

Features:

- JRB-016 can control 16 floor with PR-80C elevator reader for floor control
- JRB-032 can control 32 floor with PR-80C elevator reader for floor control
- User programmable to access any floor through PR-80C elevator reader for floor control

Specifications:

Dry Contact :

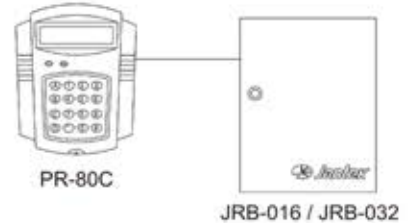
- 1A1B
- 12A for 125 VAC
- 7A for 250 VAC
- 7A for 300 VDC

Coil : 5 VDC

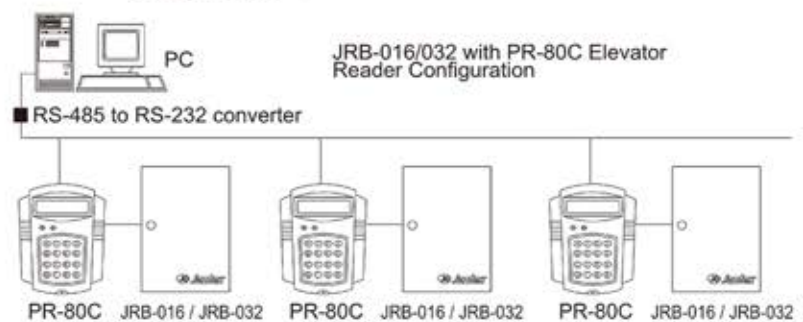
Control : 16 Relay output

Power : AC220V , 40W

Stand-alone ▶



Pc on line ▼



JRB-016 Controller ▶
(1)
290(L)x240(W)x60(H)mm

JRB-032 Controller ▶
(2)
330(L)x260(W)x70(H)mm



POWER Power supply
99(L)x82(W)x36(H)mm

Power supply	Operation Temperature
POWER INPUT : 88~246VAC POWER OUTPUT : 15V 4A 12V 1A	-20~50°C
Dimension /mm	RELAY Contacting
290 (L)x240 (W)x60(H) 330 (L)x260 (W)x70(H)	DC 24V 3A DC 30V 1A AC 120V 2A

PB-N71 / PB-N86

Electric Drop Bolt and Push Button

Infrared Proximity Button

- The Contactless, feature means sterile and hygienic
- Under normal situation with blue LED. When it is active, LED turns to Green. It's easy to indicate the operation status
- Relay trigger time is adjustable from 1 to 9 seconds
- Proximity distance is adjustable from 10 to 20 cm
- Indoor use only
- With Stainless steel faceplate
- Remote control door open for maximum 10M distance with an infrared keypad (Optional)
- Relay Life: Mechanical:100,000,000 times
Electrical:500,000 times
- With one touch point to operate when infrared function is fail

PB-N71 U.S.A. Standard
116(L)x71(W)x37(H)mm



JKP-015 Remote control (Optional)
90(L)x 55(W)x8(H)mm



PB-N86 European Standard
86(L)x86(W)x37(H)mm

Contact Rating	Relay trigger time	Operation Distance
0.5A 125V AC/2A 30V DC/0.3A 110V DC	1 to 9 second (adjustable)	From 10 ~ 20 cm (adjustable)
Contact Type	Operation Temperature	Operation Voltage
2 form C (DPDT) / Electrical:500,000 times	0~55°C	DC9V ~ DC12V
LED indicate	Dimension/mm	
Blue: normal / Green:active	PB-N71 116 (L) X 71 (W) X 37 (H)	PB-N86 86 (L) X 86 (W) X 37 (H)

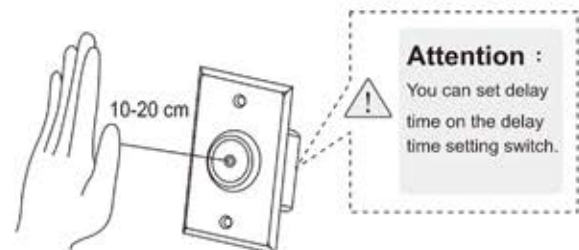
※ Usage:

There are three operation methods (A.B.C)

LED Indicator:

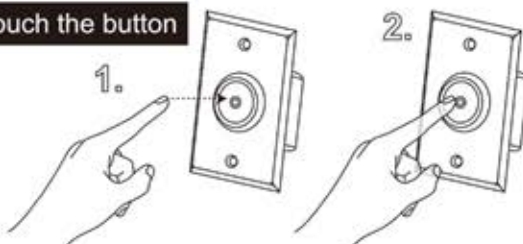
Normal Situation : LED in blue
When Proximity - Touch or Remote Control the button success, LED turns to green.

A.Proximity the button



▶▶ Proximity distance is adjustable from 10-20 cm

B.Touch the button



The LED turns to green by touch the metal circular of LED

▶▶ Touch the button, the relay trigger time fixed for 5 seconds (Unchangeable)

C.Remote control the button

Remote control distance is within 10M (infrared keypad must focus in LED)



▶▶ Remote control with infrared keypad (Option device)

PB-S71 / PB-S86

Electric Drop Bolt and Push Button

Infrared Proximity Button

- The Contactless, feature means sterile and hygienic
- Under normal situation with blue LED. When it is active, LED turns to Green. It's easy to indicate the operation status
- Relay trigger time is adjustable from 1 to 9 seconds
- Proximity distance is adjustable from 10 to 20 cm
- Indoor use only
- Remote control door open for maximum 10M distance with an infrared keypad (Optional)
- Relay Life: Mechanical:100,000,000 times
Electrical:500,000 times

PB-S71 U.S.A. Standard
119(L)x73(W)x38(H)mm



PB-S86 European Standard
89(L)x89(W)x38(H)mm

JKP-015 Remote control (Optional)
90(L)x 55(W)x8(H)mm



Contact Rating	Relay trigger time	Operation Distance
0.5A 125V AC/2A 30V DC/0.3A 110V DC	1 to 9 second (adjustable)	From 10 ~ 20 cm (adjustable)
Contact Type	Operation Temperature	Operation Voltage
2 form C (DPDT) / Electrical:500,000 times	0~55°C	DC9V ~ DC12V
LED indicate	Dimension/mm	
Blue: normal / Green:active	PB-S71 119 (L) X 73 (W) X 38 (H) PB-S86 89 (L) X 89 (W) X 38 (H)	

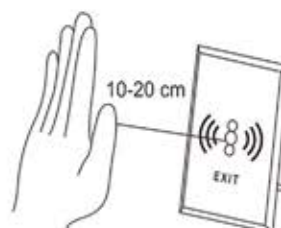
※ Usage:

A.Proximity the button

There are two operation methods (A,B)

LED Indicator:

Normal Situation : LED in blue
When Proximity the button success, LED turns to green.



▶▶ Proximity distance is adjustable from 10-20 cm



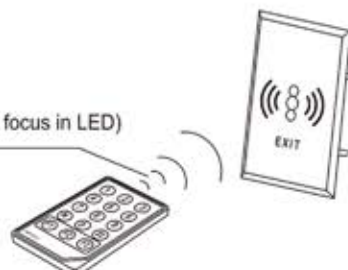
Attention :

You can set delay time on the delay time setting switch.

B.Remote control the button

Remote control distance is within 10M (infrared keypad must focus in LED)

▶▶ Remote control with infrared keypad (Option device)



JEB-002

Electric Drop Bolt and Push Button

Electric Bolt

Applicable to wooden door, iron door, steel door, aluminum door and glass door

- Fail safe. Applicable to fire door
- Certified holding force 3200 kgf
- Power saving in static status to prevent overheating coils
- Door bolt position sensor
- Stainless steel bolt
- Red pilot lamp for lock indication
- Reverse polarity protection
- Additional reed dry contact
- DIP switch to set delay time
- Mechanical life over 3,000,000 times
- Initial firing current: 0.85A;
holding current: 250mA

JEB-002 ▶
202(L)×38(W)×41(H)mm



Certified holding force

3200KGF

Power

DC 12V 1A

Initial firing current

0.85A

Holding current

250mA

尺寸/mm

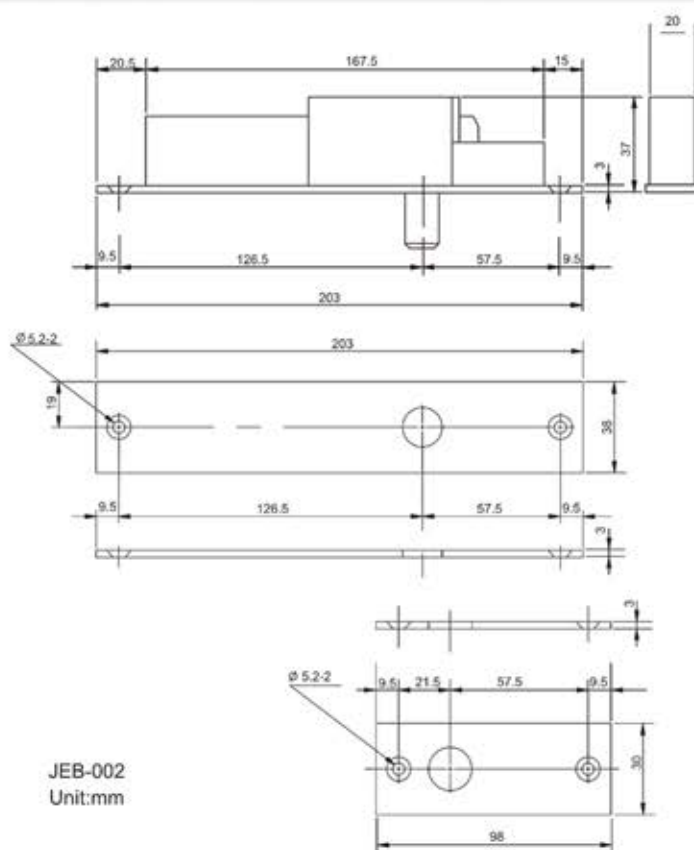
202(L)×38(W)×41(H)

Dimension of mortise

98(L)×38(W)×10(H)

Dimension of bolt

15mm(diameter)/15mm(Throw)



Order information

JEB-002 standard faceplate 38mm

JEB-002N narrow faceplate 34mm

Accessories :

UBK-013 Bracket for frameless glass door

(153x50x47mm)

UBK-005 Surface Mount Housing

(208x83x42mm)

UBK-005U Bracket for frameless glass door

(208x129x42mm)

TP-01 Dressing Cover

(214x48x0.4mm)

TS-10 Bracket

(99x24x25mm)

JEB-220

Electric Drop Bolt and Push Button

Mini Electric Bolt

Applicable to wooden door, iron door, steel door, aluminum door, glass door, security box and cabinet rack

- Fail safe
- Certified holding force 894 kgf
- Power saving in static status to prevent overheating coils
- Door bolt position sensor
- Auto lock
- Stainless steel bolt
- Slim faceplate 22mm
- Flush mortise mounting
- Reverse polarity protection
- Additional reed dry contact
- DIP switch to set delay time
- Fail secure (optional)
- Mechanical life over 2,000,000 times

JEB-220
150(L)×22(W)×30(H)mm



Certified holding force

894KGF

Power

DC 12V 1A

Initial firing current

0.7A

Holding current

160mA

尺寸/mm

150(L)×22(W)×30(H)

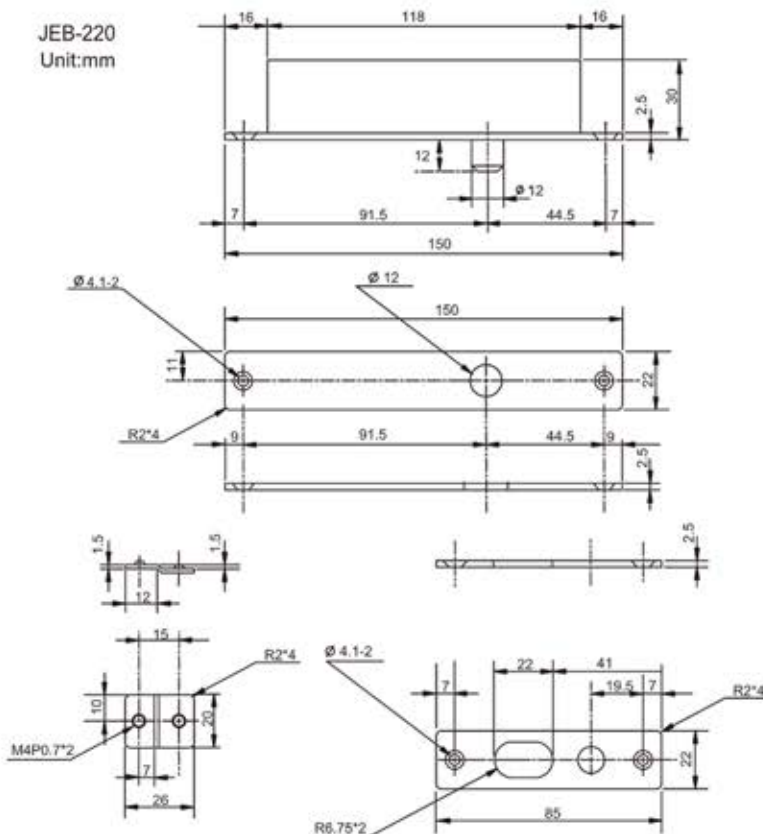
Dimension of mortise

85(L)×22(W)×10(H)

Dimension of bolt

12mm(diameter)/13mm(Throw)

JEB-220
Unit:mm



Order information

JEB-220 standard

standard :

Fail Open JEB-220 O(standard)

Fail Secure JEB-220 S(optional)

Accessories :

UBK-223 Bracket for frameless glass door

(153x50x47mm)

UBK-220 Surface Mount Housing

(153x52x47mm)

UBK-220U Bracket for frameless glass door

(153x98x47mm)

TP-220 Dressing Cover

(161x32x0.4mm)

JEB-250 / JEB-250A

Electric Drop Bolt and Push Button

Electric Bolt

Applicable to wooden door, iron door, steel door, aluminum door and glass door

- Providing concealed high security locking on any single or double action, hinged or sliding door in timber or metal for vertical or horizontal mounting.
- Concealed mortise mounting.
- Slimline styling suits most narrow profile joinery
- Continuously rated solenoid
- Power reduction module-minimises power consumption maximizes durability
- Selectable unlock period- 0.3.6.9 seconds (DIP switch)
- Door position sensor & Bolt position sensor
- Complete with built in transient and reverse polarity protection and continuously rated solenoid.
- Automatic deadlocking
- With push button point to unlock bolt (control PIN & V+ must short.)

Certified holding force

2500KGF

Power

DC 12V~24V

Initial firing current

0.85A

Holding current

150mA

尺寸/mm

210(L)×25(W)×43(H)

Dimension of mortise

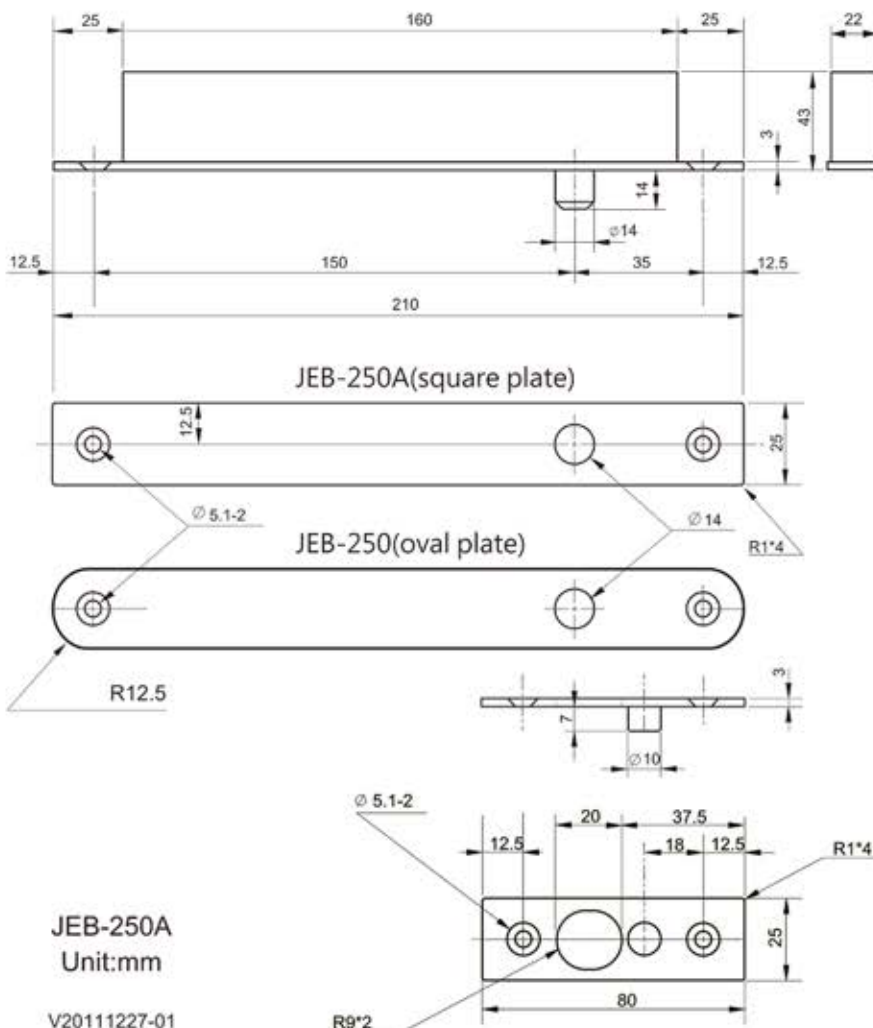
80(L)×25(W)×10(H)

Dimension of bolt

14mm(diameter)/16mm(Throw)

Order information

- Oval plate + Fail Open JEB-250 O(standard)
 Oval plate + Fail Secure JEB-250 S(optional)
 Square plate + Fail Open JEB-250 AO(standard)
 Square plate + Fail Secure JEB-250 AS(optional)



JEB-220K / JEB-220KH

Electric Drop Bolt and Push Button

Electric Bolt

Applicable to wooden door, iron door, steel door, aluminum door and glass door

- Fail safe. Applicable to fire door
- Certified holding force 894 kgf
- Power saving in static status to prevent overheating coils
- Able to trigger bolt via push button, instead of access control reader
- Door bolt position sensor
- Auto lock
- Stainless steel bolt
- Flush mortise mounting
- Reverse polarity protection
- Additional reed dry contact
- DIP switch to set delay time
- Able to install European cylinder lock (optional)
- Fail secure (optional)
- Mechanical life over 2,000,000 times

JEB220K ▶
215(L)×22(W)×42.5(H)mm



Certified holding force

894KGF

Power

DC 12V 1A

Initial firing current

0.7A

Holding current

200mA

尺寸/mm

K:215(L)×22(W)×42.5(H)

KH:215(L)×22(W)×55(H)

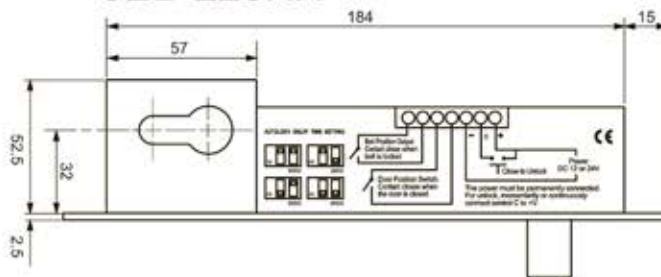
Dimension of mortise

80(L)×25(W)×10(H)

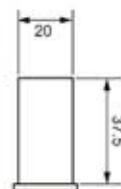
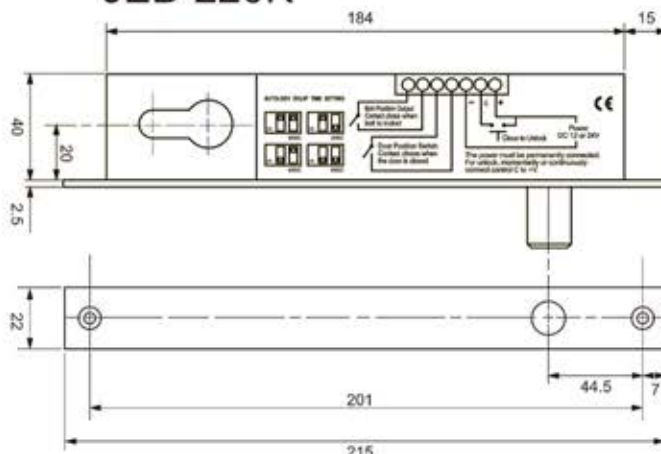
Dimension of bolt

12mm(diameter)/13mm(Throw)

JEB-220KH



JEB-220K



Order information

JEB-220K standard (Fail Secure)
JEB-220KH heightened key cylinder

standard :

Fail Open JEB-220 KO(optional)
Fail Secure JEB-220 KS(standard)

heightened key cylinder :

Fail Open JEB-220 KHO(optional)
Fail Secure JEB-220 KHS(standard)

JEB-250K / JEB-250KH

Electric Drop Bolt and Push Button

Electric Bolt

Applicable to wooden door, iron door, steel door, aluminum door and glass door

- Providing concealed high security locking on any single or double action, hinged or sliding door in timber or metal for vertical or horizontal mounting.
- Concealed mortise mounting.
- Slimline styling suits most narrow profile joinery
- Continuously rated solenoid
- Power reduction module-minimises power consumption maximizes durability
- Selectable unlock period- 0.3.6.9 seconds (DIP switch)
- Door & Bolt position sensor
- Complete with built in transient and reverse polarity protection and continuously rated solenoid.
- Automatic deadlocking
- With push button point to unlock bolt (control PIN & V+ must short.)

JEB250K ▶
230(L)×25(W)×43(H)mm



Certified holding force

2500KGF

Power

DC 12V 1A

Initial firing current

0.85A

Holding current

90mA

尺寸/mm

K:230(L)×25(W)×43(H)

KH:230(L)×25(W)×55.5(H)

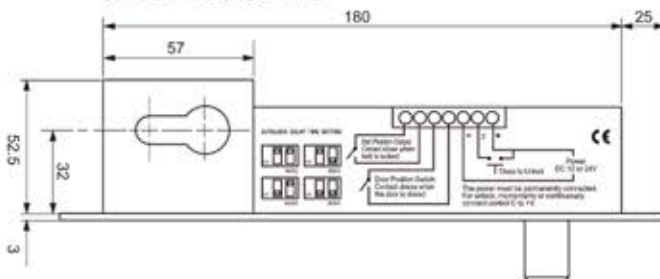
Dimension of mortise

80(L)×25(W)×10(H)

Dimension of bolt

14mm(diameter)/16mm(Throw)

JEB-250KH



Order information

JEB-250K standard (Fail Secure)

JEB-250KH heightened key cylinder

standard :

Oval plate + Fail Open JEB-250 KO(optional)

Oval plate + Fail Secure JEB-250 KS(standard)

Square plate + Fail Open JEB-250 KAO(optional)

Square plate + Fail Secure JEB-250 KAS(standard)

heightened key cylinder :

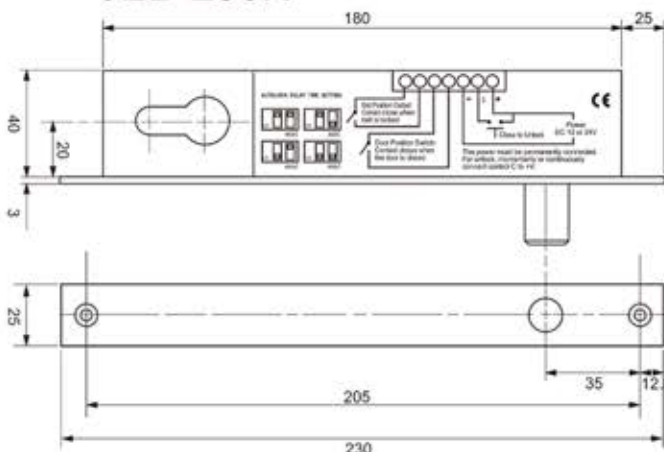
Oval plate + Fail Open JEB-250 KHO(optional)

Oval plate + Fail Secure JEB-250 KHS(standard)

Square plate + Fail Open JEB-250 KHAO(optional)

Square plate + Fail Secure JEB-250 KHAS(standard)

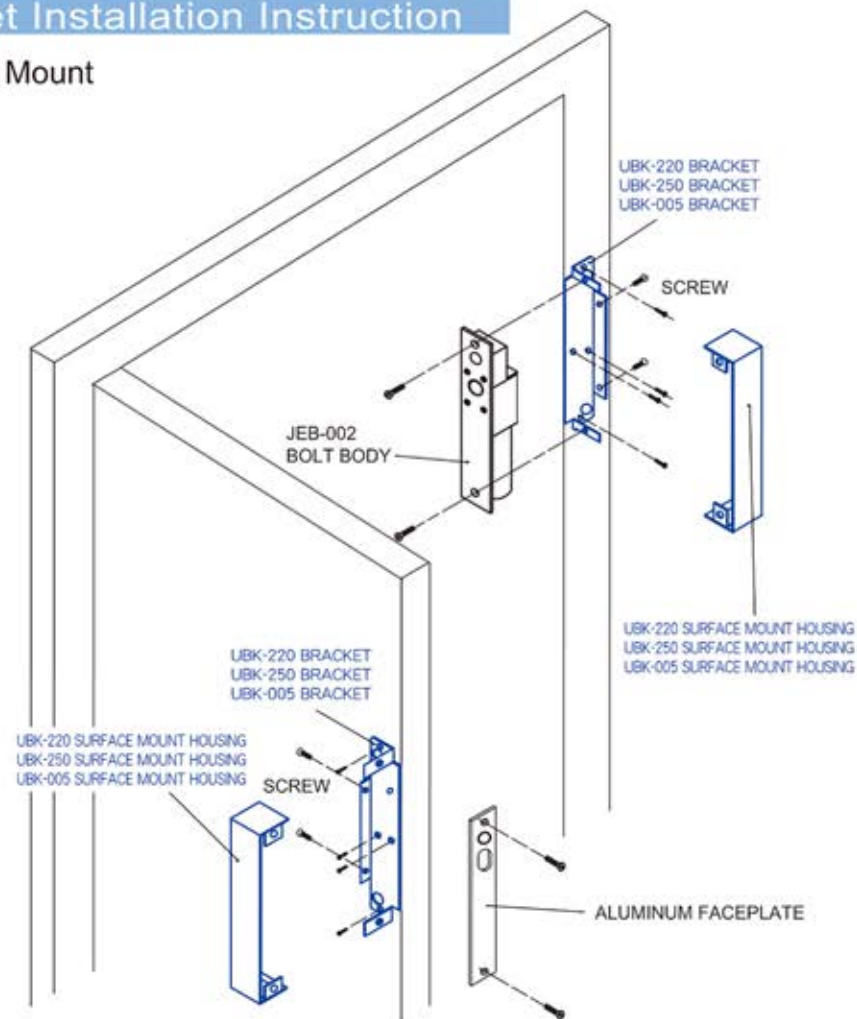
JEB-250K



UBK-005 / UBK-220 / UBK-250

Bracket Installation Instruction

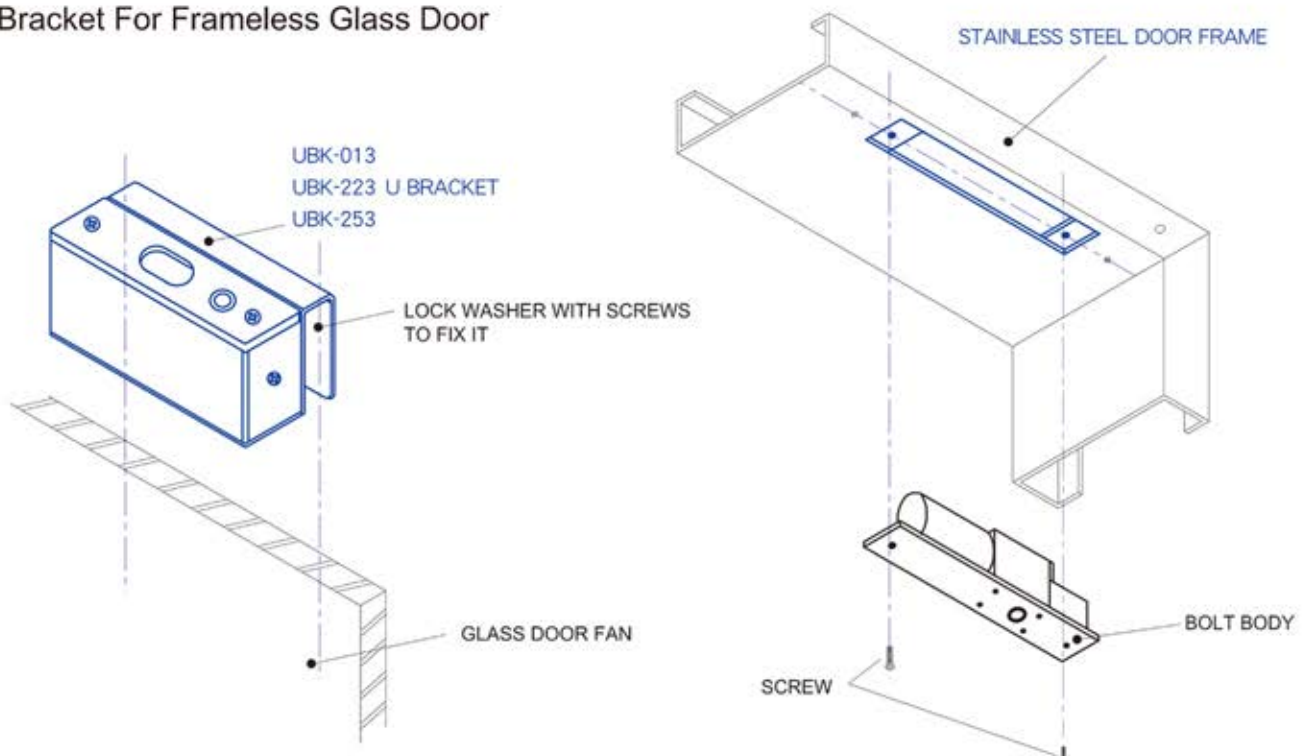
※ Bracket For Surface Mount



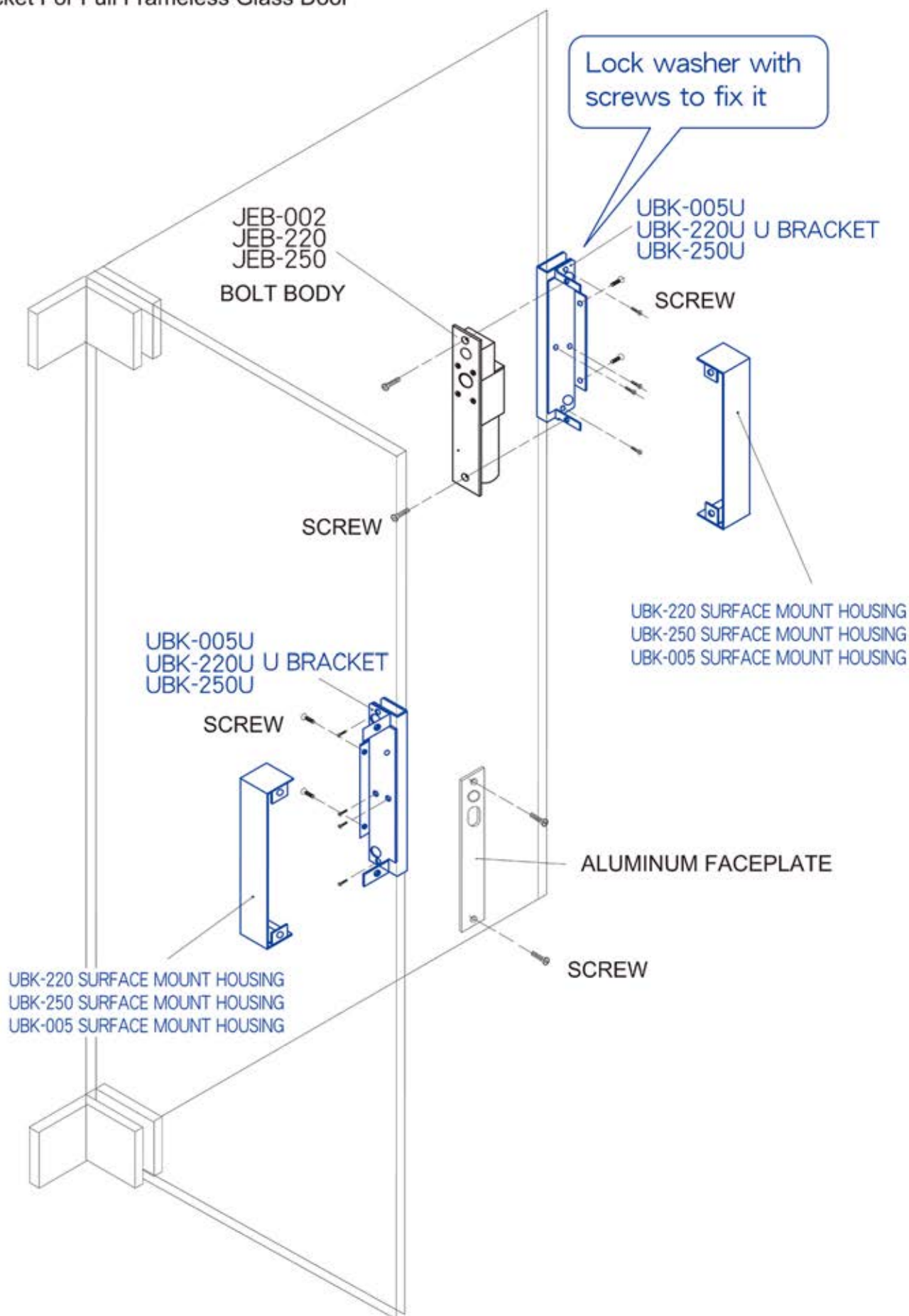
UBK-003 / UBK-223 / UBK-253

U Bracket Installation Instruction

※ Bracket For Frameless Glass Door



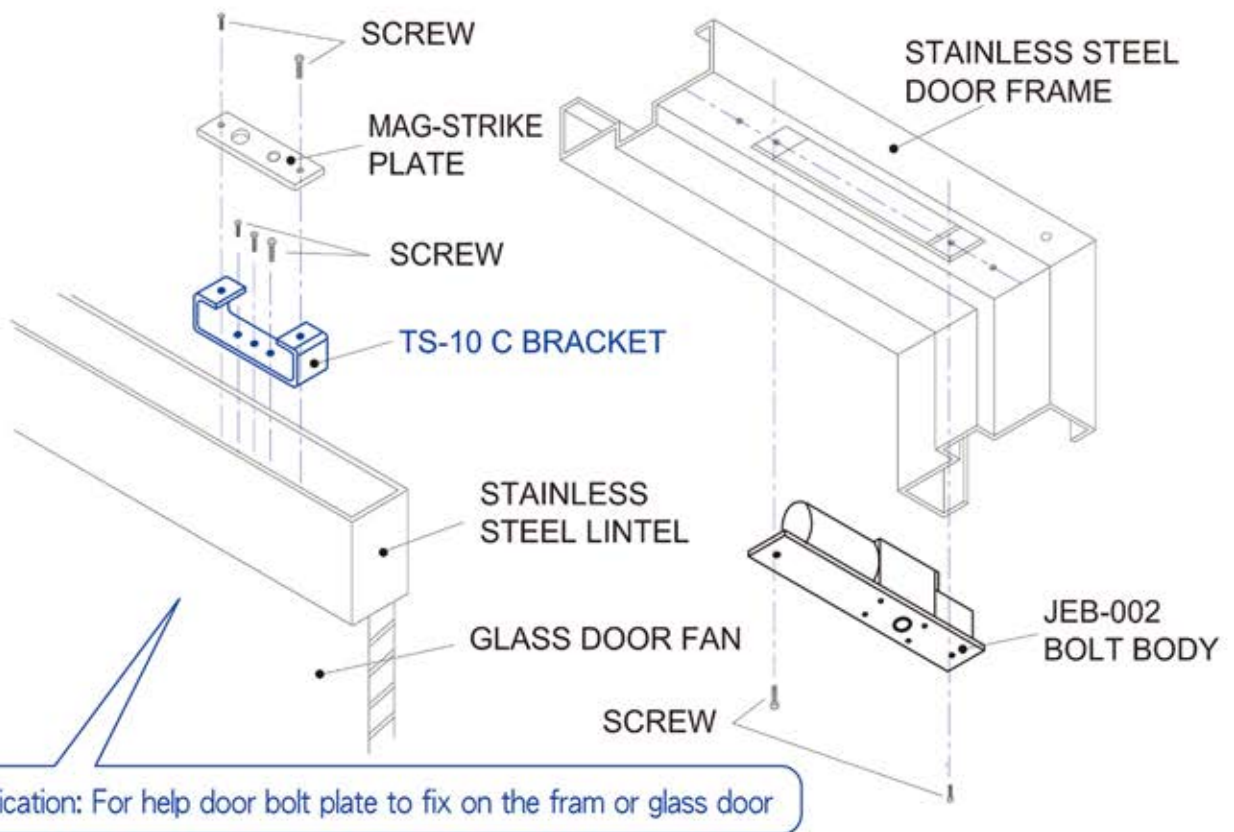
※ Bracket For Full Frameless Glass Door



TS-10 / TS-220 / TS-250

C Bracket Installation Instruction

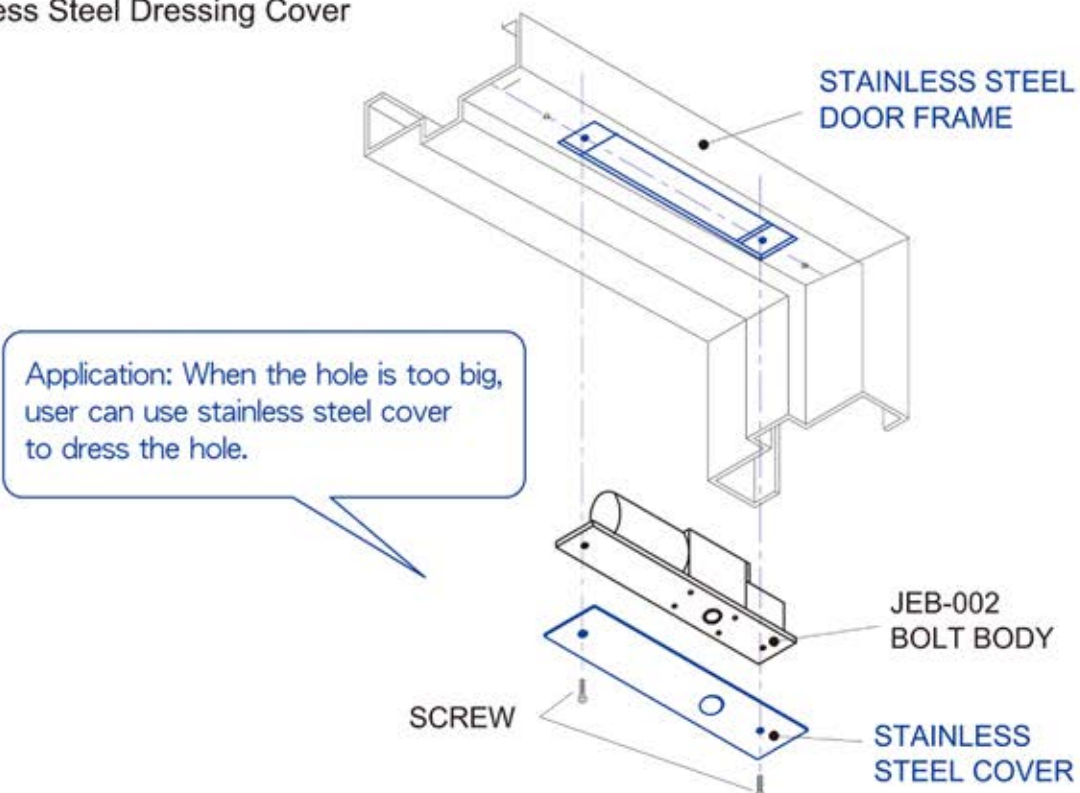
※ C Bracket



TP-01 / TP-220 / TP-250

Stainless steel dressing cover installation instruction

※ Stainless Steel Dressing Cover

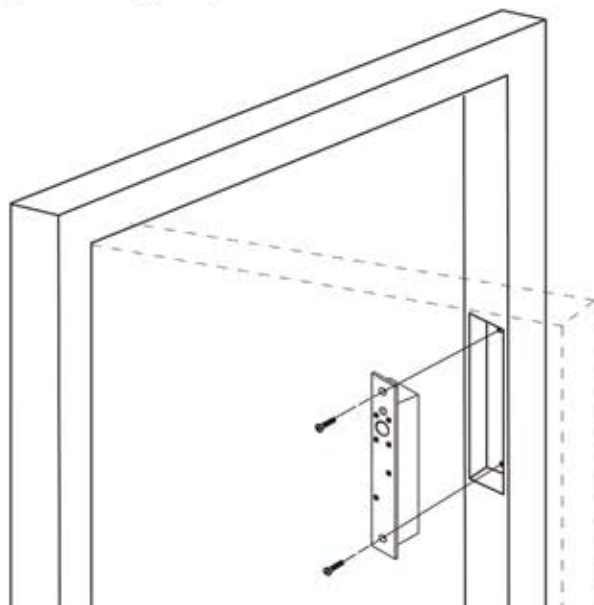


Order Information

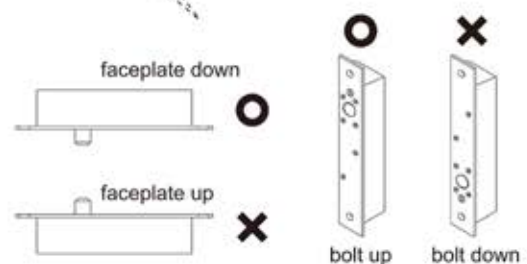
Electric Door Bolt Assembly

Model	Model	Model	Model	Model
UBK-013 size/mm : 153x50x47mm 	UBK-005 size/mm : 208x83x42mm 	UBK-005U size/mm : 208x129x42mm 	TP-01 size/mm : 214x48x0.4mm 	TS-10 size/mm : 99x24x25mm 
UBK-253 size/mm : 153x50x47mm 	UBK-250 size/mm : 214x58x53mm 	UBK-250U size/mm : 214x103x53mm 	TP-250 size/mm : 221x35x0.4mm 	TS-250 size/mm : 90x25x24mm 
UBK-223 size/mm : 153x50x47mm 	UBK-220 size/mm : 214x103x53mm 	UBK-220U size/mm : 153x98x47mm 	TP-220 size/mm : 161x32x0.4mm 	
Using	Using	Using	Using	Using
UBK-013 : JEB-002 UBK-253 : JEB-250(A) UBK-223 : JEB-220	UBK-005 : JEB-002 UBK-250 : JEB-250(A) UBK-220 : JEB-220	UBK-005U : JEB-002 UBK-250U : JEB-250(A) UBK-220U : JEB-220	TP-01 : JEB-002 TP-250 : JEB-250(A) TP-220 : JEB-220	TS-10 : JEB-002 TS-250 : JEB-250(A)
Specifications	Specifications	Specifications	Specifications	Specifications
Bracket for frameless glass door	Surface Mount Housing	Bracket for frameless glass door	Dressing Cover	Bracket
Features	Features	Features	Features	Features
For help magnet strike plate fix on frameless door fan.	For using when door frame too thin or too narrow to install the door bolt	For installation the door bolt on a glass door which has no any frame on the door fan and jamb	When the hole for the door bolt is too big, user can use this stainless steel cover to dress it.	For help the magnet strike plate fixes on the frame of glass door.

※ Setting steps of Electric bolt:



Caution:
Please notice the direction of bolt.
Wrong direction may lead to malfunction or unsuccessful operation.
If electric bolt is installed on the upper side of doorframe, please install faceplate downward to avoid humidity.



PB. KS

Electric Drop Bolt and Push Button

Push Button



PB-038A



PB-038B



PB-038C



PB-038D



PB-071A



PB-071B



PB-071C



PB-071D



PB-071E



PB-071F



PB-071G



PB-086A



PB-086B



PB-086C



PB-086D



PB-086E



PB-086F



PB-086G



PB-040A



PB-040B



PB-040C



PB-040D



PB-040E



PB-040G



KS-040



KS-071



KS-086

PUSH BUTTON / EXIT SWITCH

PB-038 / PB-071 / PB-086 / PB-040 / KS Specification

	PB-038A PB-071A PB-086A PB-040A	PB-038B PB-071B PB-086B PB-040B	PB-038C PB-071C PB-086C PB-040C	PB-038D PB-071D PB-086D PB-040D	PB-071E PB-086E PB-040E	PB-071F PB-086F	PB-071G PB-086G PB-040G	KS-040 KS-071 KS-086
Mechanical life time	0.5 million operating	1 million operating	50 million operating	2 million operating	>2 million operating	>2 million operating	1 million operating	
Initial Contact Resistance	125VAC, 1A	48VDC, 2A	24V, 0.2A AC/DC	125VAC, 8A 24VDC, 6A	250VAC, 5A 125VAC, 8A	250VAC, 5A 125VAC, 8A	250VAC, 5A ---	125VAC, 4A 250VAC, 2A
Operating Temperature	-5°C~50°C	-25°C~105°C	-40°C~85°C	-25°C~55°C	-25°C~55°C	-25°C~55°C	-20°C~55°C	-20°C~70°C
Degree of Protection	Non	Non	IP68 Certificated	IP65 Certificated	IP65 Certificated	IP65 Certificated	IP65 Certificated	Non
Lamp	Non	Non	Non	Yes(DC12V) tungsten lamp	LED(DC12V)	LED(DC12V)	LED(DC12V)	Non
Approvals	Non	Non	UL Listed CE Approved ISO 9002	CULCS CE Approved ISO 9001	CULCS CE Approved ISO 9001	CULCS CE Approved ISO 9001	Non	Non
Switch Material	Plastic	Stainless Steel	Aluminum	Plastic	Plastic	Plastic	Stainless Steel	Nickel Planted Brass
Switch Plate Material	Stainless Steel	Stainless Steel	Stainless Steel	Stainless Steel	Stainless Steel	Stainless Steel	Stainless Steel	Stainless Steel
Dimension of Mounted Switch	ψ20x7mm	ψ22x2mm	ψ28x3mm	ψ29x14mm light DC12V 1.12W	ψ30x2.3mm	ψ35x2.3mm	ψ25x1.8mm	ψ22x7mm
Contact	NO	NO	NO	NO/NC	NO/NC	NO/NC	NO/NC	NO/NC

Dimension of Switch Plate & Key Switch Plate:

PB-038 90Lx38Wx33H(mm) PB-040 / KS-040 105Lx40W (mm) PB-071 / KS-071 116Lx71W(mm) PB-086 / KS-086 86Lx86W (mm)

There are four different switch plate & three key switch plate dimensions-----European Standard ,U.S.A Standard and narrow style for flush or surface mounting

Order Information

Plastic Switch	Narrow type plate with surface mount housing	PB-038A
	Narrow type plate with flush mount	PB-040A
	U.S.A standard plate(surface mount housing is option device)	PB-071A
	European standard plate(surface mount housing is option device)	PB-086A
Stainless Steel Switch	Narrow type plate with surface mount housing	PB-038B
	Narrow type plate with flush mount	PB-040B
	U.S.A standard plate(surface mount housing is option device)	PB-071B
	European standard plate(surface mount housing is option device)	PB-086B
Aluminum Switch	Narrow type plate with surface mount housing	PB-038C
	Narrow type plate with flush mount	PB-040C
	U.S.A standard plate(surface mount housing is option device)	PB-071C
	European standard plate(surface mount housing is option device)	PB-086C
Plastic Switch with camp	Narrow type plate with surface mount housing	PB-038D
	Narrow type plate with flush mount	PB-040D/E
	U.S.A standard plate(surface mount housing is option device)	PB-071D/E/F
	European standard plate(surface mount housing is option device)	PB-086D/E/F
Stainless Steel Switch with blue light	Narrow type plate with flush mount	PB-040G
	U.S.A standard plate(surface mount housing is option device)	PB-071G
	European standard plate(surface mount housing is option device)	PB-086G
Key Switch	Narrow type plate with flush mount	KS-040
	U.S.A standard plate(surface mount housing is option device)	KS071
	European standard plate(surface mount housing is option device)	KS-086

JML-300 / 600 / 1200

Electric Drop Bolt and Push Button

Magnetic Lock



◀ JML-1200 (Standard)

①

◀ JML-600 (Small)

②

◀ JML-300 (Mini)

③



	JML-300	JML-600	JML-1200
Dimensions/mm Surface magnet Strike plate	166(L) X 39(W) X 21(H) 130(L) X 32(W) X 10(H)	250(L) X 47(W) X 25(H) 185(L) X 38(W) X 12(H)	266(L) X 73.5(W) X 40(H) 185(L) X 61(W) X 16(H)
Power	DC 12V/24V	DC 12V/24V	DC 12V/24V
Current	250MA/125MA	400MA/200MA	500MA/250MA
Holding force	300 lbs	600 lbs	1200 lbs
Using	One Way Sliding Door	One Way Sliding Door	One Way Sliding Door
Bracket (L&Z Type) Dimensions/mm	 L: 166(L) X 43(W) X 33(H) Z: 166(L) X 50(W) X 43(H)	 L: 251(L) X 51(W) X 33(H) Z: 190(L) X 50(W) X 50(H)	 L: 266(L) X 75(W) X 48(H) Z: 190(L) X 72(W) X 72(H)
Bracket (L Type) Dimensions/mm	 L: 166(L) X 43(W) X 33(H)	 L: 251(L) X 51(W) X 33(H)	 L: 266(L) X 75(W) X 48(H)

Order Info

Card reader shield

BW-30	BW-80	BW-200
		
105x155x50mm Applicable model : PR-30C、PR-35C PR-75C	105x155x50mm Applicable model : PR-80C、PR-85C PR-100C、PR-520	245x205x75mm Applicable model : FP-200、PR-90

Card reader shield

- Used to protect readers for outdoor installation.
- Applicable to every Jantek reader.
- Made of acrylic

Order Info

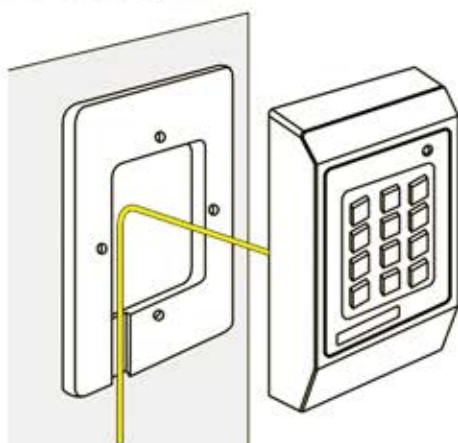
Insulator

BH-520	BH-80	BH-35	BH-30	BH-500
				
143x104x10mm Applicable model : PR-520C	147x119x10mm Applicable model : PR-80C、PR-85C	123x93x10mm Applicable model : PR-35C、PR-65C	130x86x10mm Applicable model : PR-200、PR-200K PR-30C、PR-60C	143x142x10mm Applicable model : FP-500

Insulator

- It effectively insulate the interference of metal surface and improve reading range.
- It facilitates the installation of exposed wire.
- It is applicable to all Jantek readers.
- Material: acrylic (Except BH-30 is made of foam sheet.)

Schematic diagram



Assembled diagram



Order Info

Flush box

EB-086	AB-071
	
European flush box 86x86x32mm Applicable model : PB-N86、PB-086、KS-086	American flush box 116x70x32mm Applicable model : PB-N71、PB-071、KS-071、 KR-50、KR-50A

Flush box

- It is applicable to all Jantek push buttons.
- It can replace single gang junction box.
- Material: hair-lined stainless steel (thickness: 1.5 mm)

JB-75

Flush Back Box Set for PR-75 Series

- Cover frame is 5mm thick after installation.
- With JB-75 Flush Back Box, PR-75 series readers can be installed in hollow wall. It meets demand for space and interior design.
- Touch cover frame is user-friendly.
- The set contains touch cover frame①, accessory plate②, base plate③, 4 copper studs④ and flush box⑤. It is applicable for different depth.

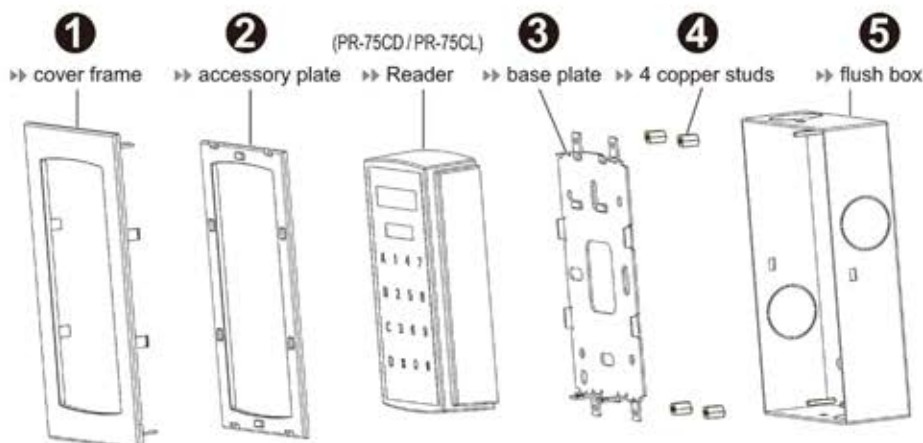
▼ JB-75 Flush Back Box Set for PR-75 Series
159(L)x109(W)x10(H)mm



Specification / Dimension

- cover frame : 159(L)×109(W)×10(H)mm
- accessory plate : 149(L)×101(W)×4(H)mm
- base plate : 142.5(L)×82(W)×16.5(H)mm
- flush back box : 148(L)×98(W)×36(H)mm
- PR-75CD/PR-75CL Reader : 130(L)×86(W)×28(H)mm

※ Exploded diagram: ① ② ③ ④ ⑤



PC-1076 / PC-1180 / KT-2500 / KT-2600

Clamshell Card



KT-2500E (EM)
KT-2500T (Temic)
KT-2500M (Mifare)



KT-2600E (EM)
KT-2600T (Temic)
KT-2600M (Mifare)

PC-1076E (EM)
PC-1076T (Temic)
PC-1076M (Mifare)



PC-1180E (EM)
PC-1180T (Temic)
PC-6180E
(EM--for PR-700 reader)



	EM	TEMIC	MIFARE
Die	H4102	T5557	MF1 S50
Memory	64 Bits	128Bits / 330Bits	1K byte
Function	Read Only	Read / Write	Read / Write
Frequenecy	125KHz	125KHz	13.56MHz
Modulation	ASK, Manchester	FSK, PSK, Manchester	FSK
Transmission	Passive	Passive	Passive
Operating Temperature	-30°C ~ +55°C	-30°C ~ +55°C	-30°C ~ +55°C
Storage Temperature	-40°C ~ +75°C	-40°C ~ +75°C	-40°C ~ +75°C
Material	1.PVC 2.ABS 3.PVC+ABS	1.PVC 2.ABS 3.PVC+ABS	1.PVC 2.ABS
Dimension/mm	1.PC-1076: 86x54x0.76 3.PC-1180: 86x54x1.8 1.PC-6180: 86x54x1.8 2.KT-2500: 39x33x0.61 2.KT-2600: 45x27x0.52	1.PC-1076: 86x54x0.76 3.PC-1180: 86x54x1.8 2.KT-2500: 39x33x0.61 2.KT-2600: 45x27x0.52	1.PC-1076: 86x54x0.76 2.KT-2500: 39x33x0.61 2.KT-2600: 45x27x0.52

UPS-100

UPS System

UPS-100 ▼

330(L)x220(W)x85(H)mm

- It provides emergency power when power source fails.
- It provides stable voltage and frequency power source.
Especially suitable for unstable power supply environment.
- Dimension /mm : 330(L) x 220(W) x 85(H)
- Power : Input:AC220V 60HZ / AC110V 60HZ
Output:DC12V 2.5A / DC5V 3A
- Battery capacity : DC 12V 6.5AH rechargeable battery (Option device)
- Operation temperature : 0°C ~ 50°C
- Operation humidity : 20%~90%
- Weight : 3.6Kgs



JLR-902

Parking Access Control Long Range Reader

UHF Long range reader

Applicable fields:

- Automatic parking access control
- Highway tolling system
- Logistics management and warehouse management
- Production management
- Product anti-counterfeiting detection
- Other fields; for example, club management, library management, student management, time & attendance control, dining management, swimming pool management, etc.

Features:

- Passive UHF (ultra high frequency) RFID reader
- Compatible with ISO 18000-6C and ISO 18000-6B
- Working frequency is 902~928 MHz
- Maximum reading range 15 m
- Stable reading range
- Fast reading speed
- Waterproof

▼ JLR-902

450(L)×450(W)×120(H)mm



Working frequency	Operating mode	Communication interface
902MHz ~ 928MHz Customization is available.	Timing mode under on-line working mode Timing mode Triggering mode	RS232, RS485, Wiegand 26 bit and 34 bit, and 10/100 Ethernet interface (optional)
Supporting protocol	Reading range (with no environmental disturbance)	Reading & writing range
ISO18000-6C (EPC GEN2) ISO18000-6B	Maximum reading range is 15 m. Maximum writing range is 6 m.	Maximum reading range: 15 m (depend on using environment) Maximum writing range: 6 m (depend on using environment)
GPIO interface	Waterproof certified	Working mode
2 channels GPIO signal (can be used as switch output)	IP65	FHSS or working mode of fixed frequency pulse transmitting set by software
Antenna parameter	Power interface	Accessories
12 dBi linearly polarization	DC +12V	Power adapter AC110V~220V DC +12V Power cable RS232 cable Bi-colored 5 ∅ mm LED indicator Reader fixture API, VB and C# application routine
Transmitting power	Triggering interface	
0~18 dBm (adjustable via software)	one channel trigger level input	
Operation Temperature	Dimension/mm	
-20℃~60℃	450(L) x 450(W) x 120(H)	
Storage temperature	Weight	
-40℃~85℃	5Kg	

JLR-903

Parking Access Control Long Range Reader

Mid-distance UHF Integrated Reader

Applicable fields:

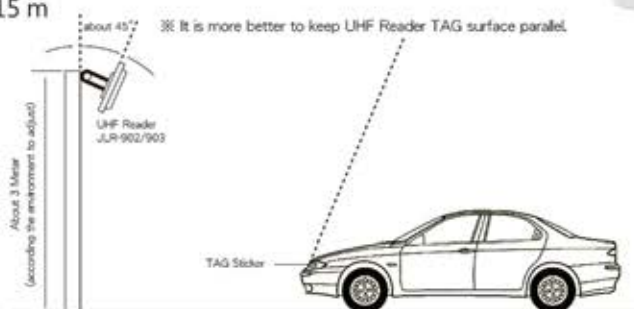
- Automatic parking access control
- Highway tolling system
- Logistics management and warehouse management
- Production management
- Product anti-counterfeiting detection
- Other fields; for example, club management, library management, student management, time & attendance control, dining management, swimming pool management, etc.

Features:

- Passive UHF (ultra high frequency) RFID reader
- Compatible with ISO 18000-6C and ISO 18000-6B
- Working frequency is 902~928 MHz
- Maximum reading range 15 m
- Stable reading range
- Fast reading speed
- Waterproof

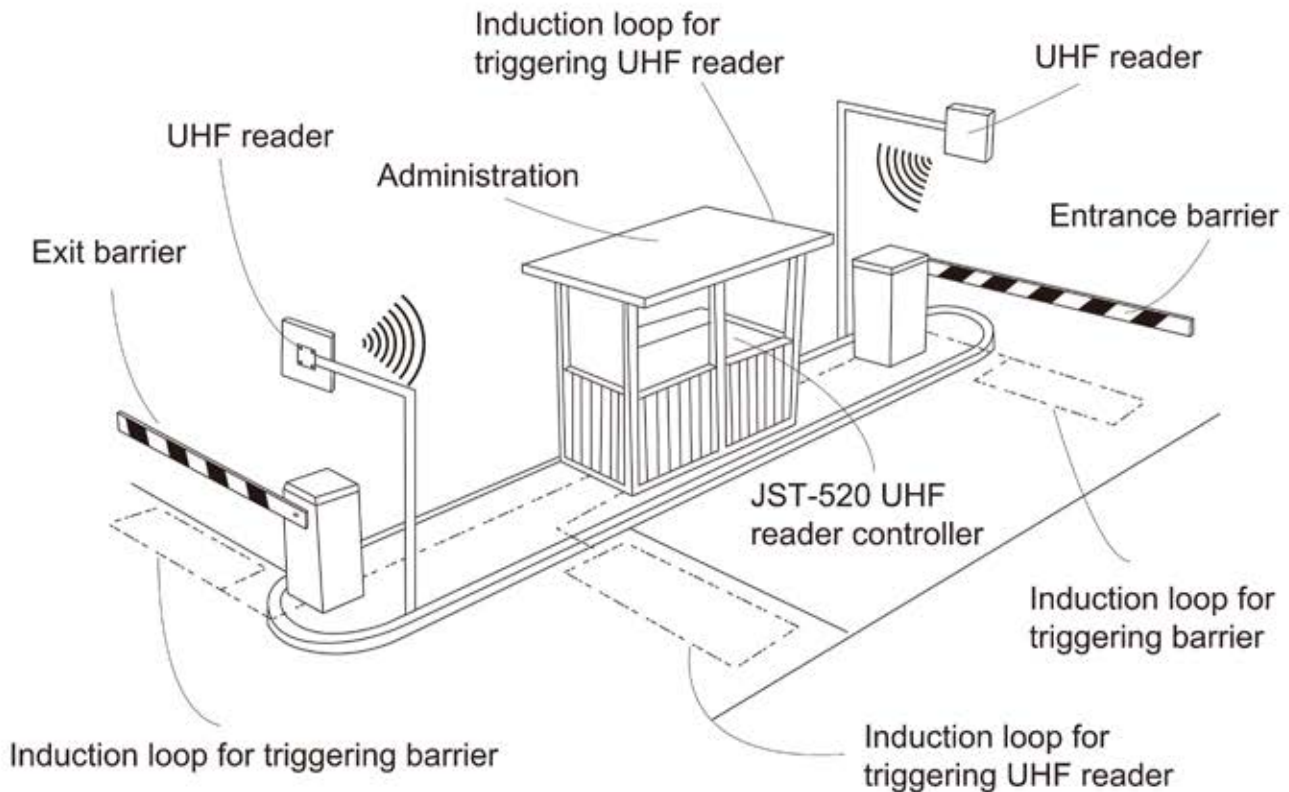
▼ JLR-903

227(L)×227(W)×60(H)mm

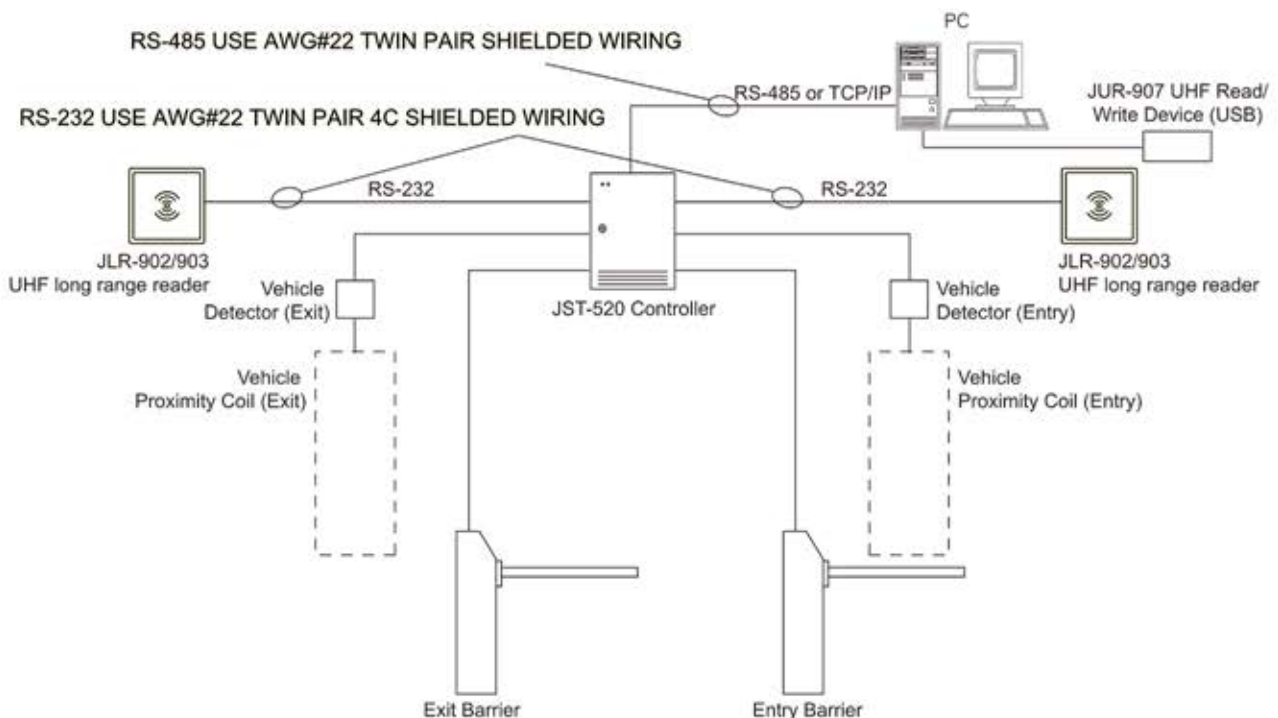


Working frequency	Operating mode	Communication interface
902MHz ~ 928MHz Customization is available.	Timing mode under on-line working mode Timing mode Triggering mode	RS232, RS485, Wiegand 26 bit and 34 bit, and 10/100 Ethernet interface (optional)
Supporting protocol	Reading range (with no environmental disturbance)	Reading & writing range
ISO18000-6C (EPC GEN2) ISO18000-6B	Maximum reading range is 6 m. Maximum writing range is 3 m.	Maximum reading range: 15 m (depend on using environment) Maximum writing range: 6 m (depend on using environment)
GPIO interface	Waterproof certified	Working mode
2 channels GPIO signal (can be used as switch output)	IP65	FHSS or working mode of fixed frequency pulse transmitting set by software
Antenna parameter	Power interface	Accessories
8 dBi linearly polarization	DC +12V	Power adapter AC110V~220V DC +12V Power cable RS232 cable Bi-colored 5 ∅ mm LED indicator Reader fixture API, VB and C# application routine
Transmitting power	Triggering interface	
0~18 dBm (adjustable via software)	one channel trigger level input	
Operation Temperature	Dimension/mm	
-20℃~60℃	227(L) x 227(W) x 60(H)	
Storage temperature	Weight	
-40℃~85℃	1.8Kg	

※ Parking Access Control System



JST-520 + UHF Long Range Reader Configuration



JST-520

Parking Access Control Long Range Reader

UHF reader controller

- Built-in real time clock IC to record entry and exit time
- Built-in watch dog
- Built-in RS232/485 interface. TCP/IP is optional.
- 10,000 records capacity
- 10,000 card capacity
- Records kept while power failure
- Able to connect with 2 UHF readers
- Able to set 3 time schedules everyday
- Provide 2 DI contacts for embedded position sensor or infrared sensor
- Provide 3 DO contacts for external flasher and speaker
- With anti-passback feature

▼ JST-520

290(L)×240(W)×60(H)mm

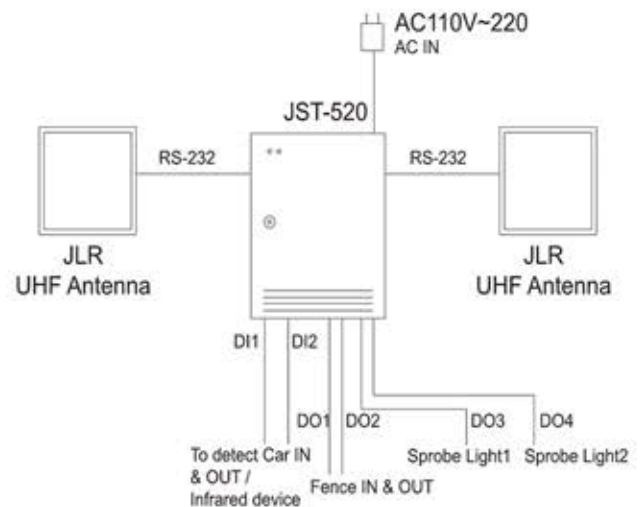


Specifications

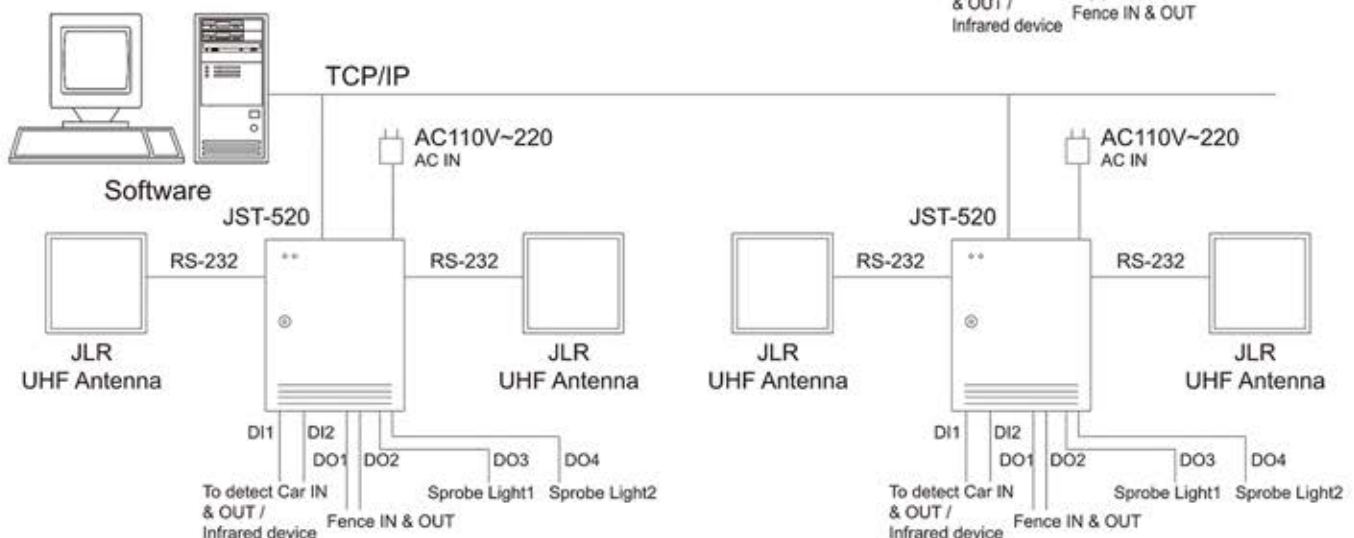
LCD	Power
128 x 64 dot blue backlight LCD	AC 110VAC ~ AC 220VAC
Keypad	Interface
4 x 4 16 touch blue backlight LED keypad	Standard: 2 RS232 ports, 1 RS485 port Option: TCP/IP
Humidity	Relays
20%~90%	4 relays Max DC12V 1A
Operation Temperature	Dimension /mm
0~50°C	218(L) X 192(W) X 87(H)

System Configuration

A: Standalone Configuration



B: PC on Line System Configuration





 **Jantek** 2016.04

6F-1, No. 1, Wuquan 1St.Rd.,
Xinzhuang District, New Taipei City 24892,
Taiwan, R.O.C.

iapetus@jantek.com.tw

Tel: 886-2-2299-1255 (Rep.) Fax: 886-2-2299-1257 (Rep.)