

# easYlite-100

## CAN Bus Based Remote Annunciator

### APPLICATIONS

The easYlite-100 is designed to remotely display the status of a generator control system through a CAN BUS Interface. The easYlite-100 may be used where an additional status display is required, which is directly controlled by the generator control unit.

The system is able to provide 18 individual status displays using red LEDs. The user may assign 14 of the status displays and 4 are pre-assigned to engine alarms.

The monitored statuses are transmitted from the generator set control system to the easYlite-100. The easYlite-100 LEDs change their state if the assigned warning / alarm condition occurs or the status conditions change.

With a standard height and width of 138mm, the compact design permits easy mounting. The ergonomically designed display allows easy identification of the system status.

The CAN bus interfaces with other Woodward generator set control systems without requiring a PLC or any other device provide higher reliability and robust control in an economical package.

The annunciator is equipped with self-diagnostic checks and status LEDs to indicate the connection and power status to ease in identification of faults.

The easYlite-100 is equipped with a relay to operate an external horn or alarm.

The unit is configured with a PC/laptop via RS-232 interface.

### DESCRIPTION

#### I/Os

- Configurable relay output for an external alarm horn
- CANopen bus interface
- RS-232 configuration interface

#### Features

- 14 configurable LED output displays (red)
- 4 pre-assigned LED output displays (red)
- Power LED (green)
- CANopen status LED indicating the communication status (green/red)
- 1 LED lamp test button
- 1 Horn silencing button
- Connection status self-check between the display module and generator set control system
- Flexible power source with 12/24 Vdc
- Flush mounting to panel front for easy monitoring
- 138 x 138 mm cutout dimension to fit most control cabinets.
- Slim fit of 38mm depth to suit confined space
- Relay output for external alarm horn
- Easy configuration via PC interface

- Annunciator for Generator set control system
- Freely configurable display output
- CAN bus interface
- Power with 12/24Vdc
- Self check features
- Compact design
- Fully compatible with easYgen-1000 series
- RS-232 interface
- Meets the NFPA standards 99 and 110
- CE marked
- UL/cUL listed

## SPECIFICATIONS

**Power supply** ..... 12/24 Vdc (6.5 to 32.0 Vdc)  
Intrinsic consumption..... max. 3 W  
Ambient temp. (operation) ...-20 to 70 °C / -4 to 158 °F  
Ambient temp. (storage).....-20 to 85 °C / -4 to 185 °F  
Ambient humidity..... 95 %, non-condensing

**Relay outputs** ..... **potential free**  
Contact material ..... AgCdO  
General purp. (GP) (V<sub>Cont, RO</sub>) DC .... 2.00 Adc@24 Vdc  
Pilot duty (PD) (V<sub>Cont, RO</sub>) DC .... 1.00 Adc@24 Vdc

**Interfaces** .....  
**Service interface** .....  
Version ..... RS-232  
Signal level ..... 5 V  
**CAN bus interface** ..... **isolated**  
Insulation voltage ..... 500 Vdc  
Version ..... CAN bus

**Display output** ..... LEDs  
Free configurable outputs ..... 14 (**red**)  
Configurable pre-assigned outputs ..... 4 (**red**)  
Power ..... 1 (**green**)  
CAN status indication ..... 1 (**green/red**)

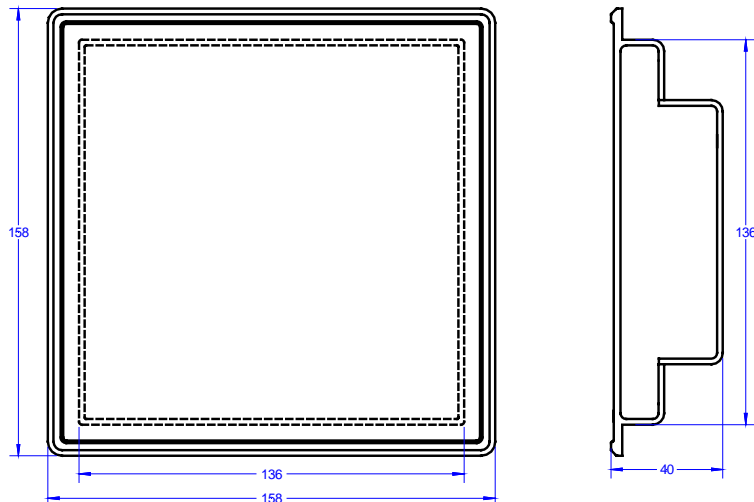
**Housing** flush-mount ..... Woodward easYpack  
Dimensions (W x H x D) ..... 158 x 158 x 40 mm  
Front cut-out (W x H) ..... 138[+1.0] x 138[+1.0] mm  
Connection ..... screw/plug terminals 2.5 mm<sup>2</sup>  
Tightening torque connectors ..... 0.5 Nm  
housing clamps ..... 0.1 Nm  
Weight ..... approx. 300 g

**Protection** .....  
Protection system ..... IP54 from front for proper  
installation with gasket  
Front folio ..... insulating surface

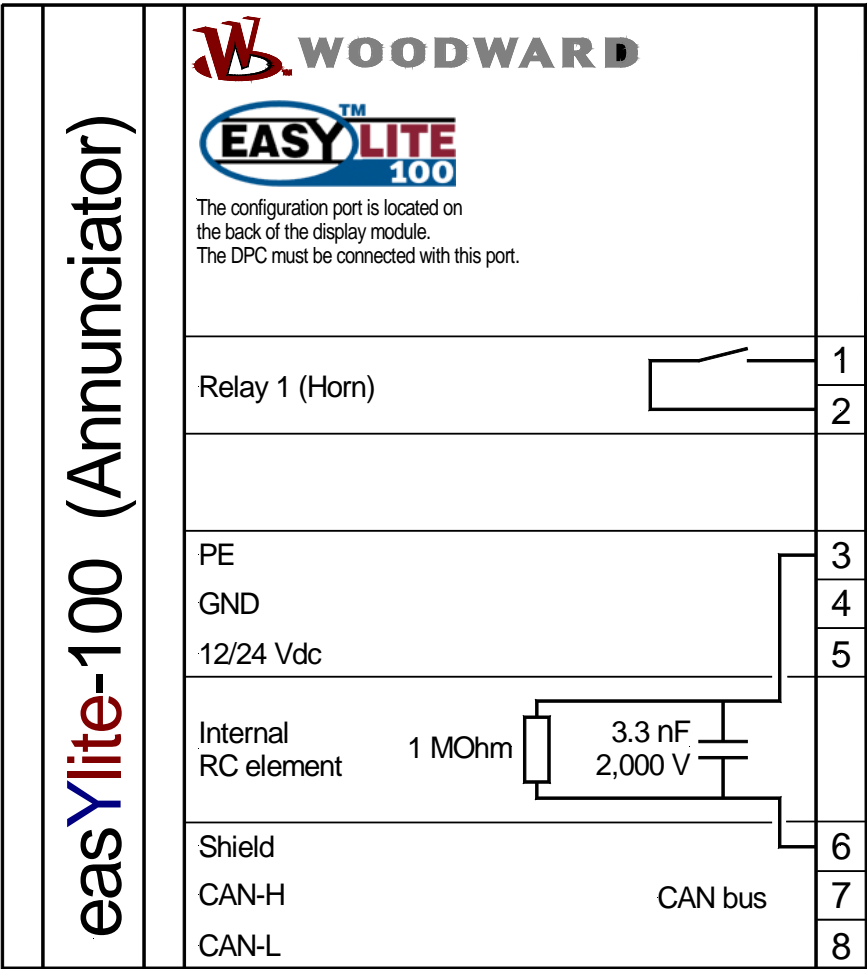
**Sinusoidal Vibration** ..... 4G, 5 to 150 Hz  
**Random Vibration** ..... 1.04Grms, 10 to 500 Hz, 2 h  
**Shock** ..... 40G peak, 11 ms

**Approvals** .....  
EMC test (CE) ..... tested acc. to applic. EN guidelines  
Listings ..... CE marked; UL/cUL listed

## DIMENSIONS

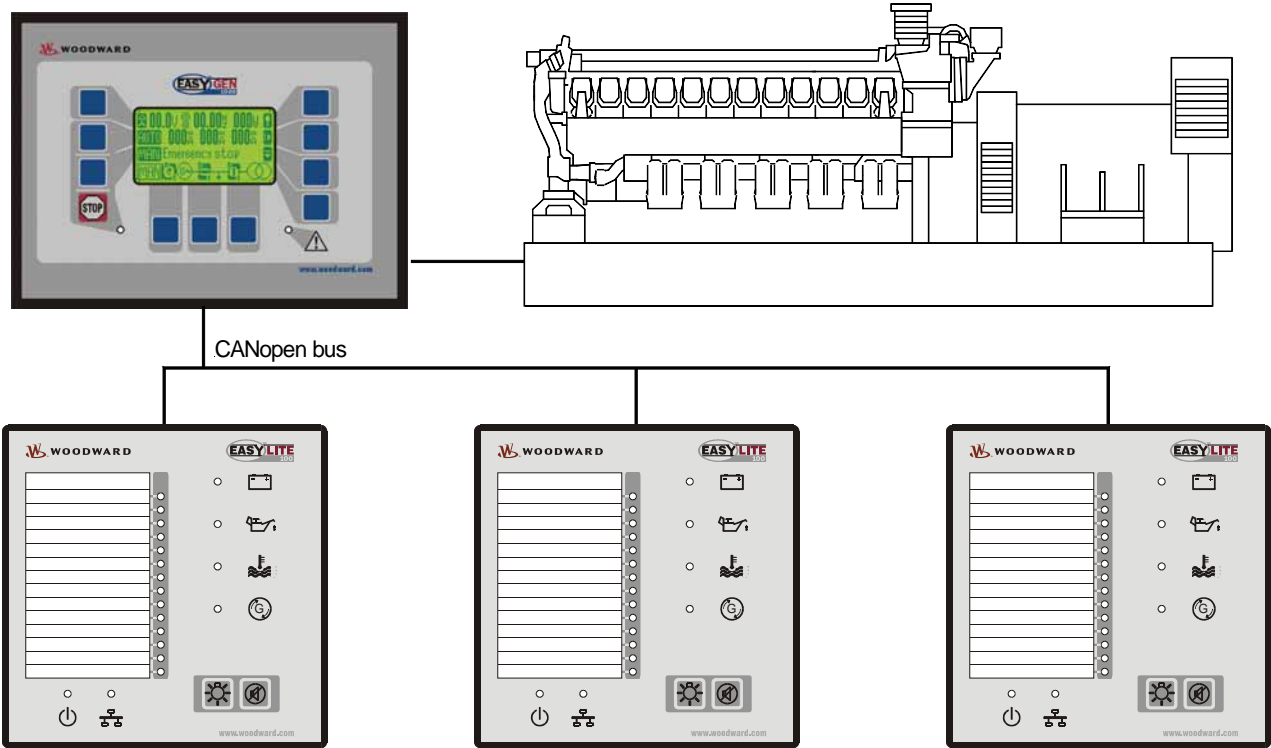


WIRING DIAGRAM



Subject to technical modifications. 2005-05-09 | easYlite-100 Wiring Diagram eY1100ww-0519-ap.skf

APPLICATION EXAMPLE



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#### Distributors & Service


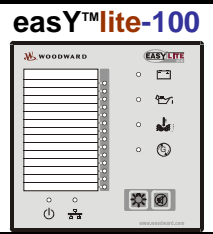
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## FEATURES OVERVIEW

			
Control			
LED lamp test push-button		✓	
Alarm/horn silencing push-button		✓	
Display			
CAN bus status indication LED		✓	
Power LED		✓	
Freely configurable LED output display		14	
Configurable pre-assigned LED output display		4	
I/Os			
Relay output (configurable)		1	
CANopen bus communication		✓	
RS-232 configuration interface		✓	
Accessories			
Global multi-lingual use with customized paper-strip		✓	
Listings/Approvals			
CE marked		✓	
UL/cUL listing		✓	
Shock and vibration test approvals		✓	
Part Numbers P/N			
		8446-1006	

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