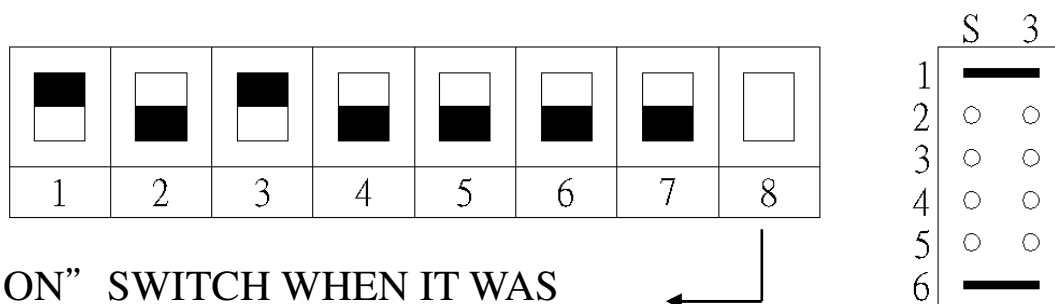


SETTING OF SPEED SETTER (EG-S21)

AND INSTRUCTION MANUAL

(1) ARRANGEMENT OF SW1 DIP SWITCH AND SHORT CHIP :



(2) DESCRIPTION OF CODE (IT DISPLAYS ON THE FACE BOARD IN FOLLOWING SEQUENCE) :

S BASIC RATIO VALUE ◦

H SETTING OF HIGH LIMIT AL2 (CONTACT OUTPUT) ◦

L SETTING OF LOW LIMIT AL1 (CONTACT OUTPUT) ◦

E BASIC TIME BASE OF VOLTAGE, CURRENT, FREQUENCY, IT HAS BEEN SET BEFORE SHIPMENT.

U ACCELERATING TIME BASE OF SPEED SETTER (EACH INCREMENT UNIT IS 1ms), WHEN SET “0”, IT IS 0.5ms ◦

d DECELERATING TIME BASE OF SPEED SETTER (EACH DECREMENT UNIT IS 1ms), WHEN SET ON “0”, IT IS 0.5ms ◦

P SHIFTING OF DECIMAL POINT (0~4 DIFFERENT SETTING) :

0 ALL INTEGERS, NO DECIMAL ◦

1 DECIMAL POINT IN ZERO INTEGER ◦

2 FOLLOWING DECIMAL POINT HAVE ONE INTEGER ◦

3 FOLLOWING DECIMAL POINT HAVE TWO INTEGER ◦

4 FOLLOWING DECIMAL POINT HAVE THREE INTEGER ◦

U 、 d CALCULATION FORMULA OF ACCELERATING AND DECELERATING TIME :

$$U 、 d = (\text{FULL SCALE TIME} \div 4000 - 0.5) \div 0.1$$

FOR EXAMPLE : 0-10V OUTPUT NEED 30S , CALCULATING AS FOLLOWS :

$$30S = 30000ms$$

$$U = (30000 \div 4000 - 0.5) \div 0.1$$

$$U = 7.0$$

THEREFORE, “U” WE SET 7.0 .

(3) EXAMPLE FOR OPERATING METHOD :

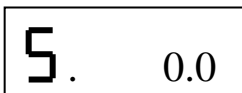
U 、 d VALUE 6.7, CHANGE TO 9.0 .



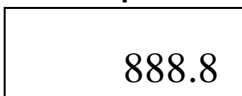
SW1 DIP SWITCH NO.8 WAS PUT TO “OFF” POSITION



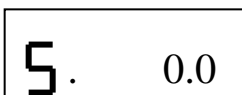
SWITCH ON POWER SUPPLY



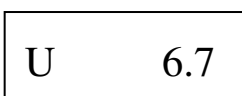
WHEN POWER ON, DISPLAYING THIS SYMBOL IMMEDIATELY MEANS NORMAL .



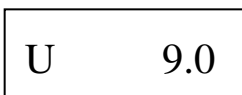
PRESS **SET**   SIMULTANEOUSLY , UNTIL DISPLAYING THIS FIGURES, THEN RELEASING THE ABOVE 3 KEYS.



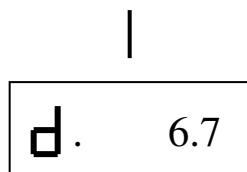
WHEN THIS SYMBOL SHOWS, PRESS **SET** KEY TO SET INTERNAL PARAMETERS.



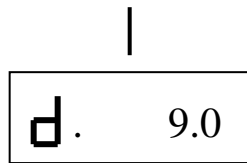
PRESS **SET** KEY



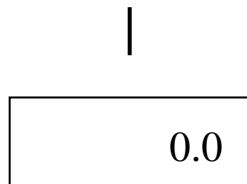
PRESS  KEY



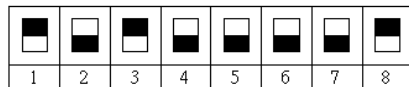
PRESS **SET** KEY



PRESS  KEY

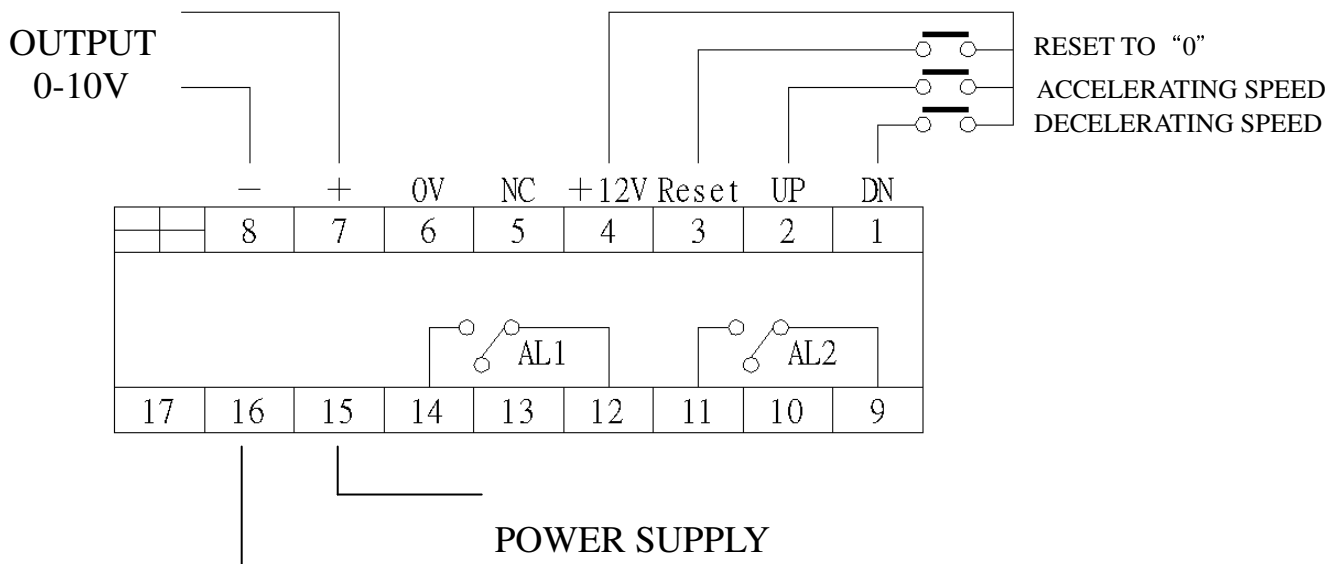


PRESS **SET** KEY ONE SECOND, THIS FIGURE DISPLAYS WHICH MEANS THE SETTING COMPLETED

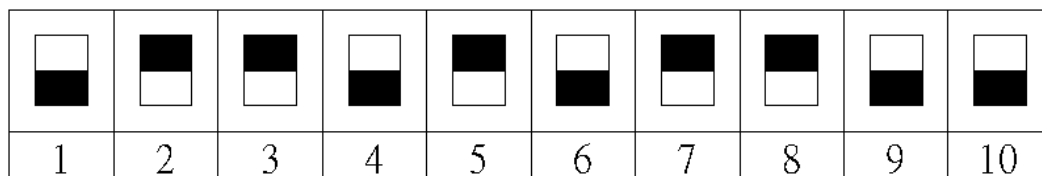


WHEN SW1 DIP SWITCH NO.8 IS CHANGED TO "ON" POSITION. IT CAN BE PROCEEDED ON-LINE OPERATION.

(4) EXTERNAL WIRING DIAGRAM :



(5) SETTING OF ANALOG OUTPUT DIP SWITCH :



(6) ADJUSTEMENT :

- A . PRESS SET KEY , IT WILL DISPLAY “0” , THEN RE-SET Z.VR ,
LET TERMINAL 7,8 TO BE 0V.
- B . PRESS ▲ KEY , UNTIL DISPLAY 100.0, THEN RE-SET S.VR ,
LET TERMINAL 7,8 TO BE DC10V.
- C . REPEAT A ,B OPERATION IN 3 OR 5 TIMES , WHEN DISPLAY
“0” OUTPUT IS 0V , WHEN DISPLAY “100.0” , OUTPUT IS
DC10V , THEN STOP ADJUSTING.
- D . AFTER COMPLETING THE ABOVE PROCEDURE, IT CAN BE
OPERATED NORMALLY.
- E . THIS ADJUSTMENT SHOULD BE MADE BY TRAINED
ENGINEERS.