

**IND-BLOCK - LOOP POWERED INDICATOR
4 TO 20 MA , PLUG ON INDICATOR**



MAIN FEATURES

- *4 Digit Display.*
- *2 wires , no additional power supply required.*
- *High accuracy and stability. 0.2% of span ± 1 digit*
- *Visible in the dark environment.*
- *Easy to program using 2 push buttons.*
- *Compact Design.*

DESCRIPTION

The LED series Plug-on display is a universal local display suitable for use with various transmitters.

The transmitter must be fitted with an analogue output (4-20mA) and connector in accordance with DIN 43650.

The plug-on display is simply plugged in between connector and socket; it is then ready for operation.

The plug on display is user programmable. Scaling, the position of the decimal point, gate time and switch point may be set with two keys. The menu steps are output the LED display field.

The plug-on display is supplied by the current loop of the 4-20 mA signal transmitter. No additional auxiliary power is required.

The programmed parameters are stored in an EEPROM; they are therefore not lose after as power failure.

Over or under range are displayed as a message on the LED display.

TECHNICAL DATA

- *Display :* *4-digit red LED display,*
- *Indication range:* *-1999 to +9999*
- *Accuracy:* *0.2% of span ± 1 digit*
- *Electrical connection:* *DIN43650A connector*
- *Sensor supply:* *Not required, 4-20 mA loop powered*
- *Conversion rate:* *Three measurements/second*
- *Data back-up:* *Non-volatile EEPROM*
- *Error messages:* *HI: over range LO: underflow*
- *Programming:* *With two front keys*
- *I.P Protection* *IP 65*

ELECTRICAL CONNECTIONS

Cable entry

DIN43650A connector

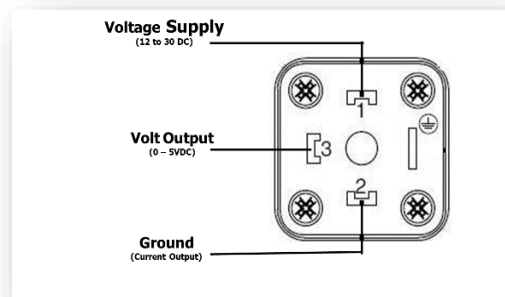


Cable Connection

PIN 1 – Input Power (12 – 30VDC)

PIN 2 – Ground , (4-20 mA output if selected)

PIN 3 – 0-5VDC output (if selected).



HOW TO PROGRAM

Buttons:

- "Λ+V" *Press both to enter setting mode or to SAVE*
- "V" *Decrease the value*
- "Λ" *Increase the value*

Range and Decimal point setting:

"Please note, the Min. working current must $\geq 3.9\text{mA}$ when setting, when do the setting."

Plug-on the display into 4-20 mA Transmitter.

1- Enter Password

- Press "Λ+V" , display shows "—Cd—" first, then shows "1230".
- Press "Λ" to change password to "1234"
- Press "Λ+V" together to enter
- (Press Λ+V twice or enter wrong password will logout setting mode.)

2-Setting

Decimal point:

- Display shows "-dP-". Press "Λ" to change decimal point position. "o"= no decimal point ,
- Press "Λ+V" to save and enter next level.

Set zero(The displayed value for 4mA):

- Display shows "dIL" to set zero.
- Press "Λ" to increase, press "V" to decrease.
- Press "Λ+V" to save and enter next level.

Set Span (value to be displayed for 20mA):

- Display show "dIH" to set full scale for 20mA
- Press "Λ" to increase, press "V" to decrease.
- Press "Λ+V" to save.
- Press "Λ+V" again to Exit.

Attention: DO NOT CONNECT THE DISPLAY WITH 24VDC POWER SEPERATELY. IT MUST WORK WITH TRANSMITTER TOGETHER TO FORM A LOOP.