

# Local Display Unit

## User Instructions



### 1.0 Note

Prior to unpacking and installation, please read the operating instructions and follow them carefully. These units are to be used, serviced, and repaired only by individuals who are familiar with the operating instructions and the applicable regulations for operational safety and accident prevention.

### 2.0 Intended Use

The plug-in display unit model LDU is a universally applicable, on-site display unit for a variety of measuring transducers. The measuring transducer is merely required to have an analog output and a plug-type connection in accordance with DIN 43 650. The plug-in display unit is simply attached between plug and socket and is immediately ready for operation. Scale, the position of the decimal point, attenuation, and the operating position (option) are adjusted with two keys (upon removal of the cover). The individual menu steps are displayed on the LED display.

### 3.0 Control Of Units

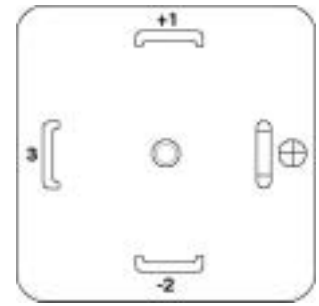
The units are checked before shipment and shipped in good condition. If you detect a visible defect on the unit, we recommend that you carefully check the packing material. In the event of a defect, please notify the mail service/freight forwarder, as the shipper is responsible for shipping damage.

### 4.0 Mechanical Connection

The plug-in display unit is simply connected between plug and socket and is immediately ready for operation. The attachment screw must be replaced by the longer screw included in the shipment. The display rotates by 90°.

### 5.0 Electrical Connection

Attach the plug-in display unit as shown  
 +V Supply .....PIN 1  
 - V Supply .....PIN 2  
 Switch outlet.....PIN 3  
 For units with Open Collector output, connect PIN 2 and PIN 3.



# Instructions

# Local Display Unit

## User Instructions

### 6.0 Setting

- A → downward and selection of menu items
- B → upward and selection of menu items
- A+B → select menu item to set or to confirm setting

#### 6.1 Decimal Point

Press B key until - d P - is displayed.

- A+B menu item to set: - - - -
- B or A for up and down: - - - -
- A+B to confirm setting and return to menu item - d P -

#### 6.2 Decimal Point

Press B until - Z P 4 is displayed

- A+B menu item to set: - 0.0 0 for example (0 psig)
- B or A for up and down
- A+B to confirm setting and return to menu item - Z P -

For setting, release the 4 Phillips screws on the display unit and remove the covering cap.

#### 6.3 Range (value to be displayed at 20 mA)

Press B key until E P 2 0 is displayed.

- A+B menu item to set - 0 0 0
- B or A for up and down 6 0.0 0 (60 psig)
- A+B to confirm setting and return to menu item - E P -

#### 6.4 Attenuation

Press B key until F I L T is displayed

- A+B menu item to set 0 0 0.3 (Min.=0.3 sec.;Max.=20.0 sec.)
- B or A for up or down - - 1.5 (1.5 sec.)
- A+B to confirm setting and return to menu item F I L T

#### 6.5 Range Exceeded (displayed if below 4mA or above 20mA)

Display: "HI" → range exceeded or "L0" => below range

Press B key until H I L 0 is displayed.

- A+B menu item for setting: - 0 F F display inactive
- B or A for up or down: - 0 n - display active
- A+B to confirm setting and return to menu item H I L 0

Report: h l - = measuring range exceeded  
L 0 - = below measuring range

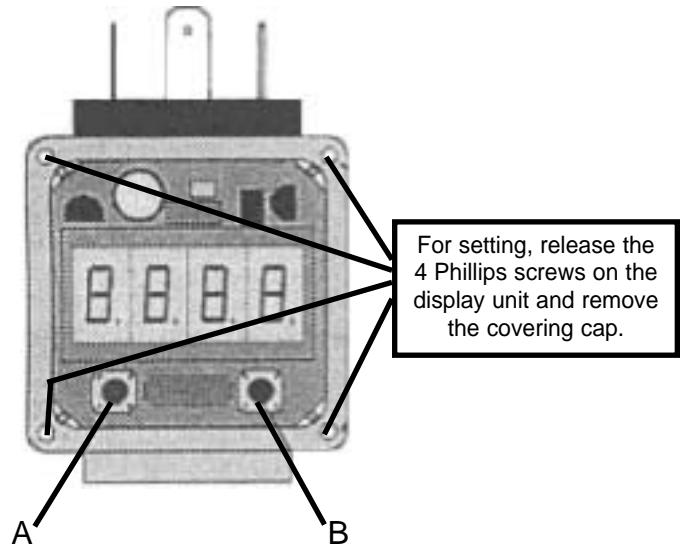
Please note: If H I L 0 display is inactive, measuring range exceeded (-1999 to 9999) is indicated by "E r 0 6".

#### 6.6 Operating Position (option)

Press B until - S P t is displayed.

- A+B menu item for setting - 0.0 0
- B or A for up or down: 2 0.0 0 (20 psig)
- A+B to confirm setting and return to menu item - S P t

Please note: Standard hysteresis is the set point minus 3 digits. Upon customer request, the hysteresis is adjustable at the plant as per request.



#### 7.0 Operation Direction (option)

Press B key until d l r - is displayed

- A+B menu items for setting: - - d n (hysteresis below operating position)
- B or A for up or down: - - u P (hysteresis is above operating position)
- A+B to confirm setting and return to menu item d l r -

#### 8.0 Return To Measuring Mode

By pressing A or B key 1 to 6 times depending on the selected menu item.

#### Certification / Rating

Stellar Technology is an  
**ISO 9001-2000**  
Company

#### Warranty

Stellar Technology warrants that its product shall be free from defective workmanship and/or material for a twelve month period from the date of shipment, provided that Stellar Technology's obligation hereunder shall be limited to correcting any defective material FOB our factory. No allowance will be made for any expenses incurred for correcting any defective workmanship and/or material without written consent by Stellar Technology. This warranty is in lieu of all other warranties expressed or implied.

Due to the nature of technology, changes are inevitable.  
For latest technical specifications, see our website.

237 Commerce Drive • Amherst, NY 14228 • USA  
**Tel:** 716.250.1900 • **Fax:** 716.250.1909  
**Web:** stellartech.com **Email:** info@stellartech.com

