

## Local Display X13 Option



### Made for the rigors of aerospace applications

#### Design & Application

The X13 display is designed for quick and easy set-up and installation on a 4-20 loop transmitter.

The output can be set-up in direct read-out of milli-Amps DC, percent of full scale or in engineering units. The display can be configured from -1999 to 9999.

#### Manufacturing & Quality

The X13 is manufactured for reliability in aggressive environments where other indicators fail. The high impact ABS plastic housing is fully gasketed and is rated NEMA 4X. State-of-art surface mount electronics are mounted to ensure safe and reliable operation even in high vibration applications.

#### Available for most of Dylix's pressure products

The X13 is available for Dylix's gage, absolute and differential products where a DIN 43650A (Option Code: B11) can be mounted. Calibration to specific customer requirements in mAdc or engineering units is at no-charge.

#### Dylix's Customer Service

Every transmitter with option X13 is shipped with a NIST traceable calibration certificate.

*The calibration certificate includes the 4-20 mA output of the pressure instrument as well as the system calibration of pressure instrument and display.*

### Standard Features

- Reads direct current
- Can be calibrated for engineering units
- -1999 to 9999 display (Adjustable Decimal Point)

# Specifications: Local Display - Option X13

Baseline Configuration Specs Represented.  
Modifications Encouraged - See Below  
Custom Designs Available

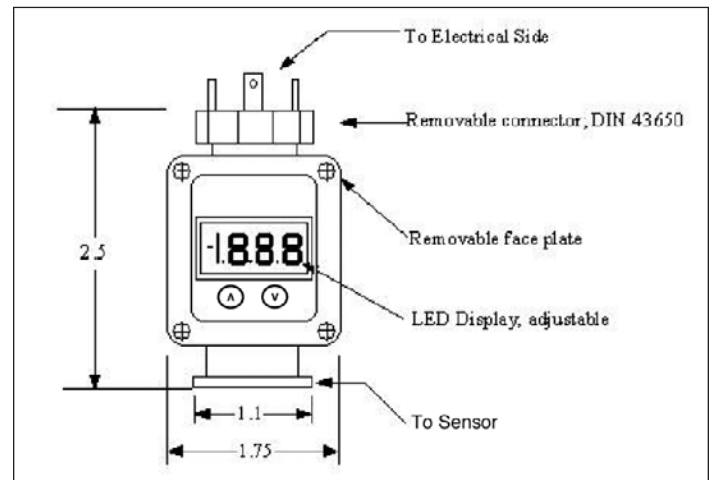
## Electrical

<b>Excitation</b>	12-36 Vdc
<b>Voltage Drop</b>	2.5 Vdc max
<b>Zero Balance</b>	$\leq \pm 1\%$ FSO
<b>FSO Setting</b>	$\leq \pm 1\%$ FSO
<b>Resolution</b>	Infinite ( $\pm 0.001\%$ FSO usable)
<b>Display</b>	4 Digit LED
<b>Update rate</b>	< 100 mS
<b>Insulation Resistance</b>	1,000 M $\Omega$ @ 50 Vdc
<b>Reverse Polarity</b>	Protected
<b>EMI/RFI</b>	Internal Filtering
<b>Short Circuit Protected</b>	Up to 40 Vdc

## Mechanical

<b>Materials</b>	High impact ABS plastic, neoprene gasket
<b>Mates with</b>	DIN 43650A electrical connector
<b>Dimensions</b>	Per Drawing
<b>Weight</b>	Approximately 3 oz.

## Product Dimensions (inches)



## Performance

<b>Static Accuracy</b>	$\leq \pm 0.05\%$ FSO* (BFSL, RSS)
<b>Repeatability</b>	$\leq \pm 0.05\%$ FSO
<b>Temperature Effects</b>	$\leq \pm 0.5\%$ FSO over comp range (Combined effects of Zero & FSO with reference at 70° F)
<b>Long Term Stability</b>	$\leq \pm 0.05\%$ FSO per year

## Environmental

<b>Compensated Temp Range</b>	0° to 170° F
<b>Operating Temp Range</b>	0° to 200° F
<b>Storage Temp Range</b>	-20° to 200° F

## Standard Wiring

Model	Output	+ Power	- Power	+ Signal	- Signal
X13	4-20 mAdc 2 wire	Red/Pin 1/Pin A		Black/Pin 2/Pin B	

## Modifications and Warranty

**MODIFICATIONS:** Transducer/Transmitter applications vary greatly. As such our designs are flexible. Choices such as pressure ports, electrical termination, material compatibility, and performance are a few of the many options available. Specifications on this datasheet represent standard configuration only. Product and company names that may be listed are trademarks of their respective companies. Any and all specifications subject to change without notice.

**WARRANTY:** Dylux Corporation 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 Dylux Corporation's obligation 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 Dylux Corporation. 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.*



A US Designer and Manufacturer of  
Pressure Transducers & Transmitters

# Dylux Corporation

347 Lang Blvd. Grand Island, NY 14072 USA  
Phone: 716.773.2985 | Fax: 716.773.2786  
Web: dyluxcorp.com

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