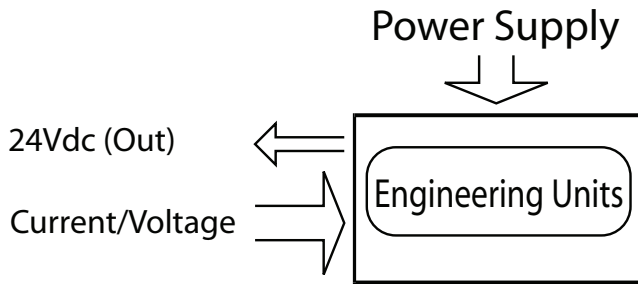


# QUICKSTART GUIDE

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DI350



## Installation

### General

The DI350 is a 3+1/2 digit indicator for current or voltage signals. It shows the input measurement in any chosen engineering unit using bright, 14mm high, LED digits.

### Inputs and sensor power supply

The default input is a 4-20mA signal. The DI350 can be ordered to suit most common analogue current/voltage formats - please check the model number for details.

As standard the DI350 has a power supply suitable for powering a loop powered transmitter or other active device as input. This circuit is completely isolated from the input circuit and power supply.

### Warnings:

**Check the power supply against the model number before applying power to the instrument.**

**These units must only be installed by qualified staff and all relevant national electrical wiring and safety rules must be followed.**

**Do not overtighten the mounting screws.**

## Display scaling (calibration)

### General

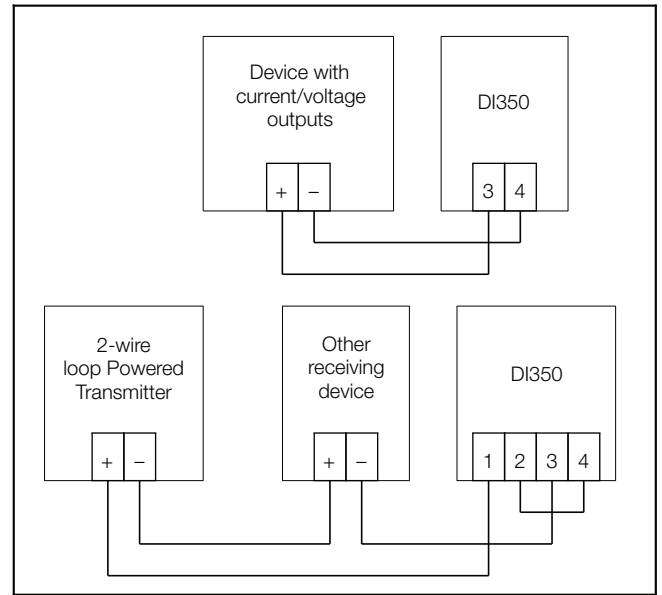
To set the display scaling you select the decimal point link position and adjust the ZERO (Z) and SPAN (S) control to give the required units. The ZERO adjusts the 'zero' point reading (adjustment range  $\pm 1200$  counts). The SPAN adjusts the 'full scale' reading (adjustment range 20 to 2100 counts).

### Procedure

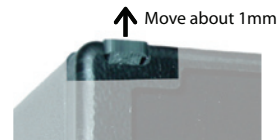
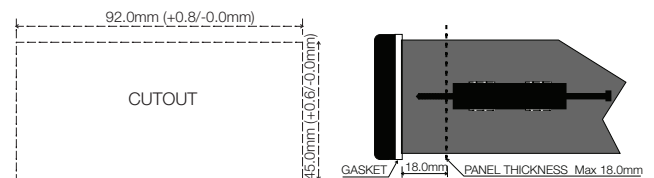
1. If the decimal point needs to be changed, remove the back plate by gently prising apart the four clips that hold it in place, place the link (on the display board) as shown (to right) and reassemble.
2. Inject a 'zero' (normally 4mA) signal and adjust the Z control to give the required display value.
3. Set the input source to 'full scale' (normally 20mA) and adjust the S control to give the required full scale display.
4. Recheck the zero and repeat steps 2 & 3 if required.

## Connections

Terminal	Signal	
1	+24Vdc	Sensor power supply (Output)
2	0V	
3	Signal +ve	Analogue Input
4	Signal -ve	
5	Not used	
6	Not used	
7	Live (+ve)	Power Supply
8	Neutral (-ve)	

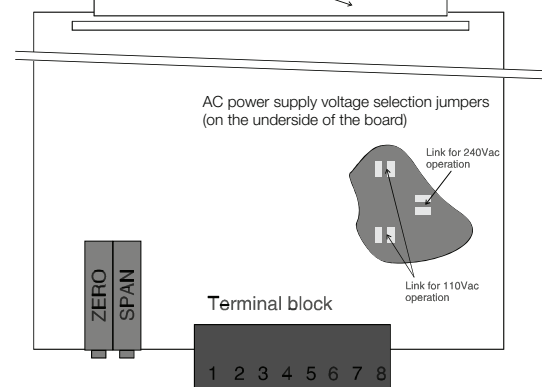
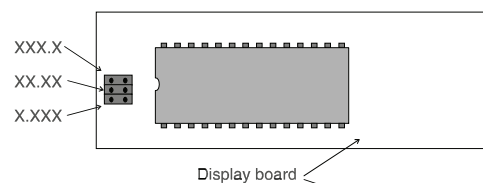


DI350 input connection diagram.



1. Gently move lug out a fraction with a screwdriver to release the backplate.
2. Pull the backplate back slightly to keep lug from clicking back into place.
3. Repeat with each lug until backplate comes loose.

### Decimal point selection



DI350 main board showing the location of decimal point selection link