

HI is displayed when transmitter signal is greater than 20mA
(Overflow)

LO is displayed when transmitter signal is less than 4mA
(Underflow)

Note: When over-range option is off the error code: ErC6 is displayed If the display range (-1999 to +1999) is exceeded.

4.6 Set point switch setting

Press button B to select menu option: S P t is displayed
Press button A & B together to edit: 20.0 is displayed
(set point for example is 40.00psi)

Press A to increase setting(UP): 21.0 is displayed
Press B to decrease setting(DOWN): 19.0 is displayed
Press A & B together to enter and store, and return to menu.

Note: Standard hysteresis value is the entered set point setting minus three display counts.
For example. if the set point setting is 20.0psi, then the hysteresis band will be 0.3psi wide.

4.7 Set point switching direction selection

Press button B to select menu option: dir is displayed

Press button A & B together to edit: d n is displayed
(for example hysteresis band is above set point setting)

Press A or B to toggle up/down setting: u p is displayed
(for example hysteresis band is below set point setting)

Press A & B together to enter and store, and return to menu.

User's Guide



LD1001 Plug On Display

PM1000 Series Plug-On Display Operating Instructions

1. Application

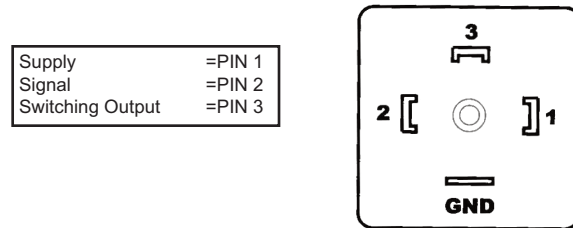
The LD1001 plug-on display is a universal local display suitable for use with any 4-20mA, 2 wire, transmitters. The transmitter must be fitted with a DIN43650 type connector. Then the plug-on display is simply plugged in between the transmitter connector plug and socket; it is then ready for operation. Removing the front cover of the display will reveal 2 programming buttons. These are used to input the desired settings for the following parameters: zero, scale, decimal point position, damping and switching set point (PM1001 option only).

1. Mechanical Installation

The LD1001 is simply plugged in between the transmitter connector plug and socket; it is then ready for operation. The display can be rotated through 90° steps as desired, and then fixed into position with the replacement longer screw, supplied with the unit.

2. Electrical Installation

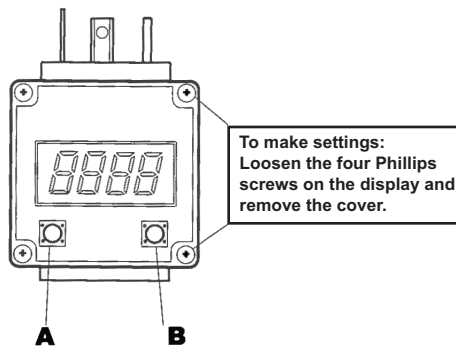
Connect the plug-on display to the transmitter as shown in the wiring diagram below.



3. Setting

To make any display setting changes first the front cover of the display unit must be removed. To do this remove the 4 Phillips screws retaining the front cover and reveal the 2 programming buttons A & B, which are used to make all the display setting changes.

See drawing below.



The LD1001 uses a display menu, controlled by the 2 programming buttons, to assist when editing display settings and options.

Throughout, the general functions of the programming buttons are as follows:

Press A: Causes a DOWN change in the selected setting. And also displays each menu item in turn.

Press B: Causes an UP change in the selected setting. And also displays each menu item in turn.

Press A & B together: Enters and stores the adjusted setting. And also selects the displayed menu item for editing.

4.1 Display Decimal Point selection

Press button B to select menu option:	d P	is displayed
Press button A & B together to edit:	--.	is displayed
Press A to shift decimal point UP:	---.	is displayed
Press B to shift decimal point DOWN:	-.---	is displayed
Press A & B together to enter and store, and return to menu.		

4.2 Display Zero setting

Press button B to select menu option:	Z P 4	is displayed
Press button A & B together to edit:	0.0	is displayed
(zero for example is 0.0psi)		

Press A to increase setting (UP):	0.1	is displayed
Press B to decrease setting (DOWN):	- 0.1	is displayed
Press A & B together to enter and store, and return to menu.		

4.3 Display Span setting

Press button B to select menu option:	E P 20	is displayed
Press button A & B together to edit:	60.0	is displayed
(span for example is 60.0psi)		

Press A to increase setting (UP):	60.1	is displayed
Press B to decrease setting (DOWN):	59.1	is displayed
Press A & B together to enter and store, and return to menu.		

4.4 Display damping

Press button B to select menu option:	F I L t	is displayed
Press button A & B together to edit:	0.5	is displayed
(damping for example is 0.5 seconds. Note 0.3 seconds is minimum)		

Press A to increase setting (UP):	0.4	is displayed
Press B to decrease setting (DOWN):	0.6	is displayed
Press A & B together to enter and store, and return to menu.		

4.5 Over-range display selection

Press button B to select menu option:	H I L O	is displayed
Press button A & B together to edit:	off	is displayed
(for example over-range option is off)		

Press A or B to toggle on/off setting:	o n	is displayed
Press A & B together to enter and store, and return to menu.		

When over-range option is selected to be on then the following messages are displayed in over/under-range condition: