

FEATURES

- ❑ Universal input
- ❑ 4" or 6" Bright Red LED display option
- ❑ Programmable alarm outputs
- ❑ Keyboard calibration
- ❑ Built-in transmitter power supply
- ❑ Optional Programmable retransmission output
- ❑ Rugged industrial design

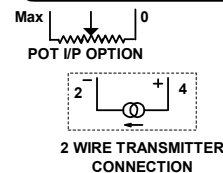
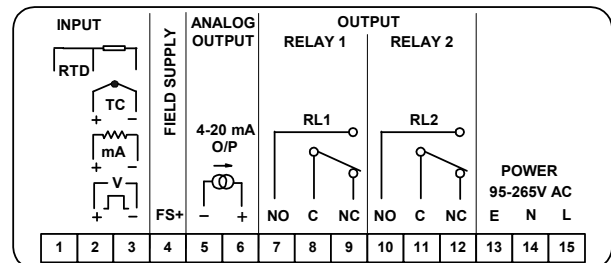


LD3500 series is an advanced Microcontroller based single channel Large Process Indicator used for monitoring analog signals in the majority of industrial processes. This series has 4 digits 7 segment bright red LED display. LD3500 has 4" LED display and LD3500L has 6" LED display. The process indicator can accept direct inputs from RTDs, Thermocouples or current and voltage inputs. Single/dual alarm output is provided wherein the alarm type and value is programmable from the front keyboard. The indicator is calibrated for all the basic inputs and the calibration is not required to be changed if the input type is changed. Recalibration if required could be done through keyboard. Optional isolated retransmission output can also be provided. This process indicator is designed for accurate measurement and display of pressure, flow, frequency, etc. LD3500 series is suitable for a variety of applications in industrial controls and process control systems.

INPUT TABLE:

INPUT TYPE		
Linear	mA DC (Use 250Ω)	4 – 20 mA / 0– 20 mA
	V DC	1 – 5 V / 0 – 5 V / 0 – 10V
		0– 75 mV
RTD PT100		PT100 1 Deg.C resolution
		PT100 0.1 Deg.C resolution
TC		J
		K
		T
		E
		B
		R
		S
RESISTANCE		0 to 6K
POTENTIOMETER		Pot input / Valve position

BACK TERMINAL CONNECTION:



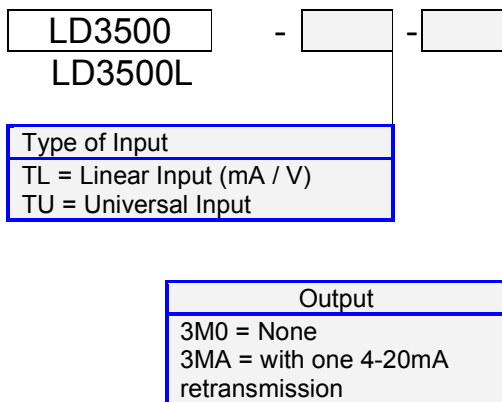
NOTE:

For valve position indicator input potentiometer should be minimum 1Kohm

SPECIFICATIONS:

No. of channels	1
Inputs	Universal input (Refer Table)
Input Connection	Rugged Screw type terminal, suitable for wire size ranging from 0.2-2.5sq.mm
Input Impedance	For Thermocouples & mV inputs: >1 MΩ DC Volts: >100 KΩ
Display	4 digit 7 seg. Red LED, LD3500 : size 4" and LD3500L : size 6" ; Range -1999 to 9999
Square root extraction	Provided built-in for linear inputs
Automatic Compensations	-Cold junction compensation for thermocouples -Wire resistance compensation for three wire RTDs.
Accuracy	+/- 0.1% of FS, +/- 1 digit for Linear inputs +/- 0.2% of FS, +/- 1 digit for others
Decimal Point	Programmable as 8888, 888.8, 88.88, 8.888 for Linear Inputs
Noise Rejection	-Common Mode 120dB or better -Series Mode 60dB or better
OUTPUT OPTIONS	1. Alarm Output : Up to 2 alarms, 1 CO, 5A / 230 V AC resistive max. 2. Retransmission Output : Isolated 4 – 20mA Programmable (OPTIONAL) 3. Transmitter Excitation Voltage : 24V DC/30mA max.
Battery Backup	EEPROM Nonvolatile Memory (Battery not required)
Power Supply	Universal 95 – 265V AC, 50Hz or 110 – 300 V DC
Open Sensor Indication	'OPEN' or 'OR' where applicable.
PROTECTION Sensor Burn out Protection Set Point & Configuration Protection System Protection	Programmable alarm ON or OFF Password Protected – User & configuration menu Through hardware and software watch dog
ENVIRONMENT Operating Temperature Operating Humidity Storage Temperature	0 to +55 Deg. C Up to 95% non condensing -10 to +70 Deg. C
ENCLOSURE Mounting Housing External Dimension Gross Weight	Wall mounting MS Powder coated LD3500 : 220 (H) X 410 (W) X 110 (D) mm LD3500L : 280 (H) X 500 (W) X 110 (D) mm approx. LD3500: 4.5Kg max; LD3500L: 5.5Kg max

ORDERING CODE:



SAMPLE CODE ORDER:
LD3500 – TL – 3MA
Indicator 4" Display, Linearl Input, with one 4-20mA

Note: Select LD3500 for 4" display and LD3500L for 6" display