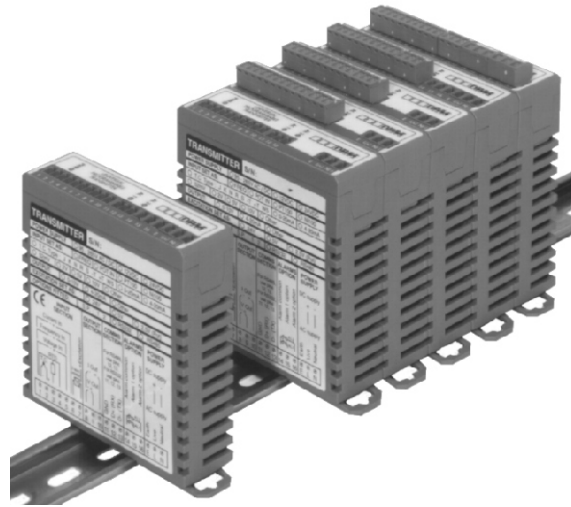


# Model 9500

CURRENT / VOLT / POT  
TWO-WIRE TRANSMITTER



The Model 9500 is a miniature space saving DIN rail mount current / volt / potentiometer two-wire transmitter.

The model 9500 accepts standard process inputs of 0(4)-20mA, 0-2V, 0-10V, 0-20V or potentiometer and converts them to a 4-20mA loop powered signal. The model 9500 also has an LED function for indicating the state of the loop (LED intensity indicates the amount of current flowing in the loop). The model 9500 can be ordered with or without the onboard loop power supply option.

## FEATURES

- DIN rail mount 92 x 92 x 26 mm enclosure, UL 94 V-0 flame retardant plastic
- Low cost - high performance design
- Accepts standard process inputs of 0(4)-20mA, 0-2V, 0-10V, 0-20V and potentiometer
- LED status for power supply and loop current (intensity is an indication of current flow)
- On board Switch mode power supply (if ordered)
- Reverse voltage protection
- Meets European EMC directive 89/336/EEC & Low Voltage directive 73/23/EEC
- 3 year guarantee

## TECHNICAL SPECIFICATIONS

Input Impedance	100 (Current input), 100k (2V input), 1M (5V input), 5M (10V input), 10M (20V input)
Output voltage (if power supply fitted)	24Vdc +/- 5%
Current Limit (if power supply fitted)	38mA (Jumper removed), 100mA (jumper installed)
Accuracy	0.1% of full scale
Pot	minimum 1000 , maximum 100k
Output load	maximum 500
Volt drop on loop	minimum 12V

## ENVIRONMENTAL

Operating temperature range	-10 to +50°C
Service temperature range	-15 to +60°C
Storage temperature range	-40 to +80°C
Humidity	< 85% non-condensing

## MECHANICAL SPECIFICATIONS

Dimensions	DIN rail mount 92 x 92 x 26 mm enclosure, IP40 rating
Protection	Industrial strength, UL 94 V-0 flame retardant ABS plastic

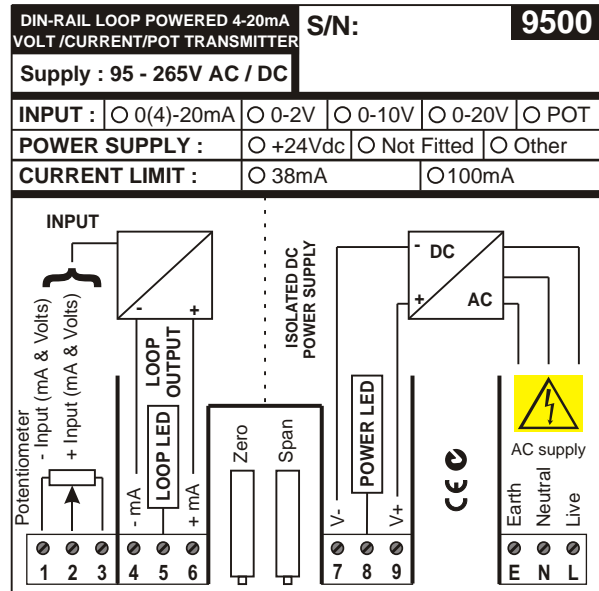
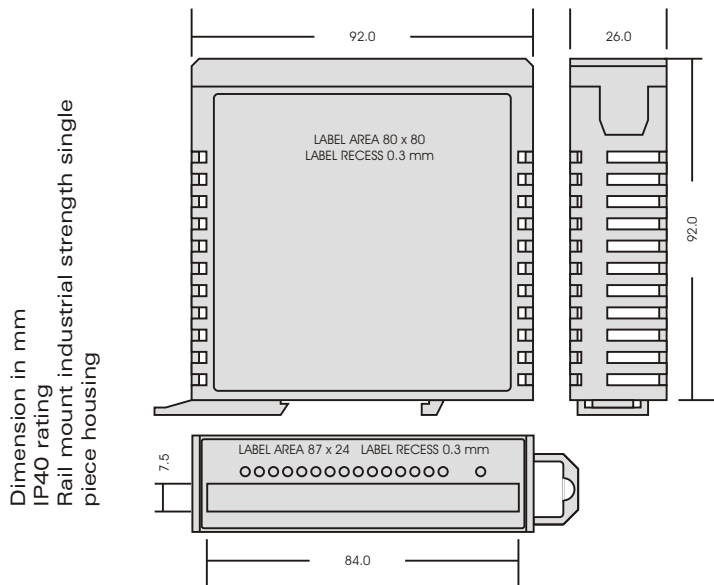
# SPECIFICATIONS & CONNECTION DIAGRAM

## REGULATORY COMPLIANCE

Regulatory requirements

Complies with EC Directives 89/336/EEC & 73/23/EEC

## HOUSING DIMENSIONS



\*\*\*\*\* WARNING \*\*\*\*\*  
**Switch off unit before opening**  
 \*\*\*\*\*

## JUMPER SETTINGS

Input selection:

- mA: Link Jumper J15, J16, J17, J18, J19
- mV: Link Jumper J14, J15, J16, J17, J19
- 2V: Link Jumper J13, J14, J15, J16, J17
- 10V: Link Jumper J12, J14, J15, J16, J17
- 20V: Link Jumper J11, J14, J15, J16, J17
- Potentiometer: Link Jumper J8, J9, J10

On board Power supply (if ordered):

- Current Limit:
- 38mA: Jumper J8 Removed
- 100mA: Jumper J8 Installed

Gain settings:

Jumper J4 - Jumper J7

## GUARANTEE

This product is guaranteed against faulty workmanship or defective material, for a period of 3 (three) years from date of delivery by DPM.

DPM undertakes to replace without charge all defective equipment which is returned to it (transportation costs prepaid) during the period of guarantee, provided there is no evidence that the equipment has been abused or mishandled in any way.

DPM reserves the right to alter any specification without notice.

E-mail : sales@instrotech.com.au  
 Website: www.instrotech.com.au



DISTRIBUTED BY:



Ph: 03 5278 8222 Fax: 03 5278 9761  
 65 Douro Street, North Geelong VIC 3215  
[www.factorycontrols.com.au](http://www.factorycontrols.com.au)