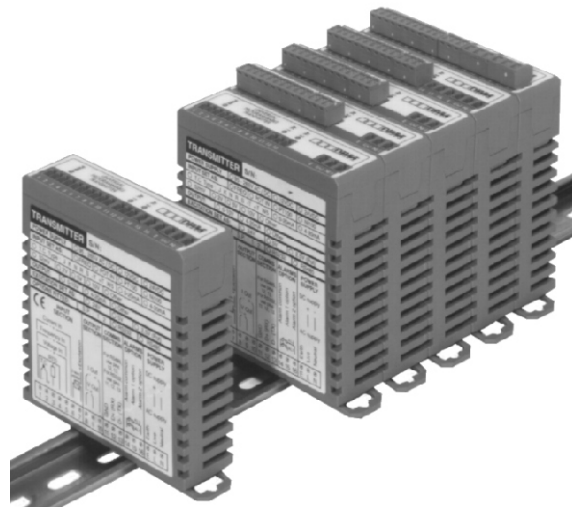


Model 9600 LOOP ISOLATOR



The Model 9600 is a miniature space saving DIN rail mount loop powered isolator designed specifically to eliminate ground loop measurement problems.

The unit generates an output current to flow in a load which is the same as the input current but galvanically isolated.

The unit boasts galvanic isolation in excess of 1000V between input and output and requires no additional power supply. The model 9600 can be factory fitted with 1 or 2 loop isolators in the same housing. The dual unit can also be used to obtain two isolated outputs from one input (wire in series).

FEATURES

- ❑ DIN rail mount 92 x 92 x 26 mm enclosure, UL 94 V-0 flame retardant plastic
- ❑ Low cost - high performance design
- ❑ Loop powered - no additional power supply required
- ❑ 0 - 30mA input/output current
- ❑ Galvanic isolation between input and output > 1000V
- ❑ Less than 0.25% transmission error and linearity error
- ❑ 1 or 2 loop isolators can be ordered in the same enclosure
- ❑ Meets European EMC directive 89/336/EEC & Low Voltage directive 73/23/EEC
- ❑ 3 year guarantee

TECHNICAL SPECIFICATIONS

Max input current	30mA
Max output load	500 Ohms
Volt drop	< 4V
Galvanic Isolation	> 1000V
Transmission error	typically < 0.25%
Load change error	0.03% per 100 Ohm
Frequency Response	0.5 ms
Input Protection	30V Overload and reverse voltage protected

ENVIRONMENTAL

Operating temperature range	0 to +50°C
Storage temperature range	-40 to +80°C
Humidity	< 85% non-condensing

SPECIFICATIONS & CONNECTION DIAGRAM

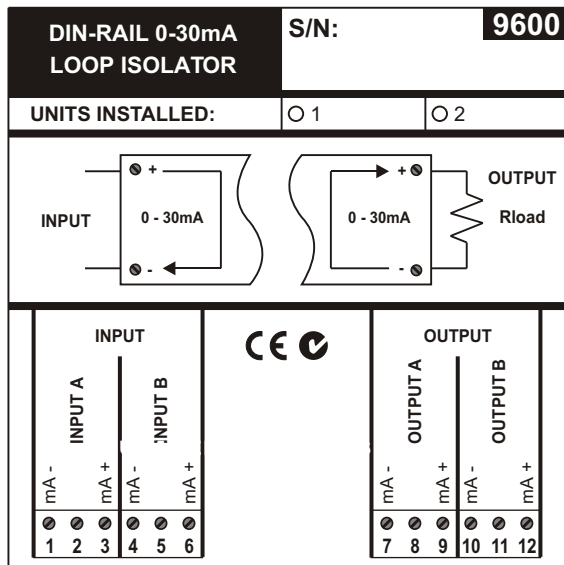
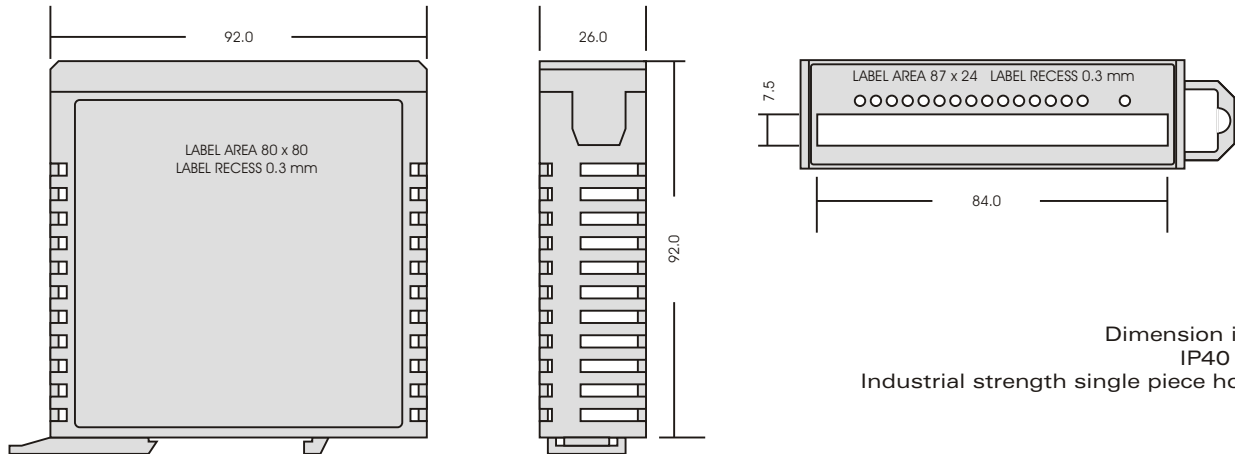
MECHANICAL SPECIFICATIONS

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

REGULATORY COMPLIANCE

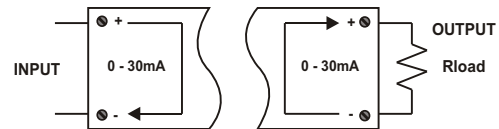
Regulatory requirements Complies with EC Directives 89/336/EEC & 73/23/EEC

HOUSING DIMENSIONS



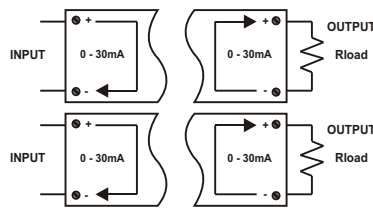
Application Examples

9600-1 One isolated output with single input



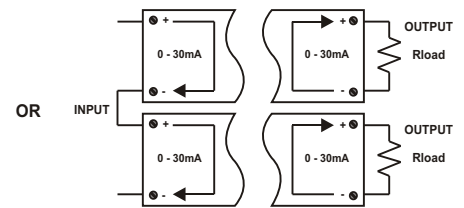
Note: Load must not exceed 500 Ohms

9600-2 Two isolated outputs with two inputs



Note: Individual loads must not exceed 500 Ohms

9600-2 Two isolated outputs with single input



Note: Combined Load must not exceed 500 Ohms

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 : info@dpm.co.za
 Website: www.dpm.co.za



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