

INPUT LOOP POWERED ISOLATOR (super-miniature size)	model LDSN
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Thank you for choosing us. Before use, check specifications on the unit label.
If you have any problems or questions with the product, please contact our sales office or representatives.

General Description

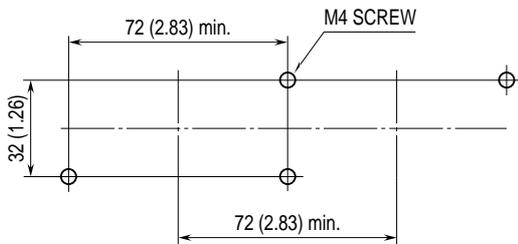
The Model LDSN accepts standard DC current inputs and provides an isolated DC output. The LDSN utilizes the input signal for operating its internal circuits to eliminate need for a dedicated power supply.

- No power source required

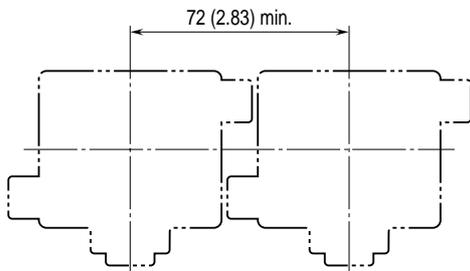
Installation [Scale: mm(inch)]

- Operating temperature: -10 to +55°C (14 to 131°F)
 - Operating humidity: 30 to 85% RH (non-condensing)
- Keep away from water, corrosive gas, dust and vibration. Wall or DIN rail mounting available. Use DIN rail of 35 mm width.

WALL MOUNTING

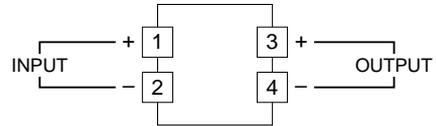


DIN RAIL MOUNTING



Terminal Connections

Make wiring to terminals as shown in the figure below.



Adjustments

This module is factory calibrated within ±0.1% of reference input level. ZERO and SPAN are adjustable to ±5%. Calibration procedure is as follows:

- ZERO: With minimum (0%) input, adjust output to 0%.
- SPAN: With full-scale (100%) input, adjust output to 100%.
- Check ZERO adjustment again with the minimum input.
- When ZERO value is changed, repeat the procedure A) to C).

Troubleshooting

When output is irregular, check the following points:

- Terminal wiring
- Input: Check current with an ammeter. Be sure that the connected transmitter allows the load as in the table below.

MODEL NO.	EQUIVALENT INPUT IMPEDANCE
LDSN-A6	approx. 250Ω
LDSN-H6	approx. 100Ω
LDSN-AA	230Ω plus output load
LDSN-HA	90Ω plus output load × 0.16

- Output: Check that output load is within the permissible limit as in the table below.

MODEL NO.	LOAD RESISTANCE
LDSN-A6	greater than 50kΩ
LDSN-H6	greater than 50kΩ
LDSN-AA	50 to 350Ω
LDSN-HA	50 to 600Ω