

Transtech Multi-range LSI Loop Repeater Series



PRODUCT OVERVIEW



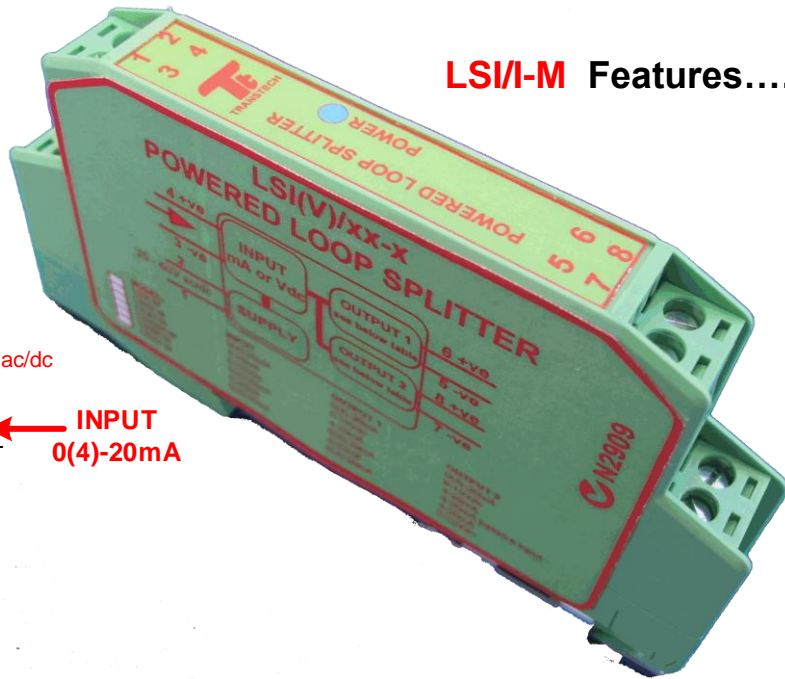
POWERED LOOP SPLITTER – mA to mA

GENERAL DESCRIPTION

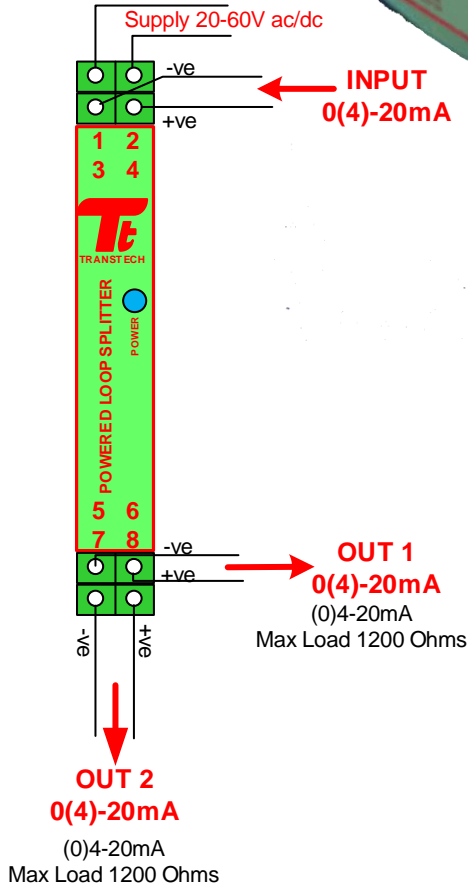
The LSx/xx-M range offers users a fully floating signal isolator that provides up to 1500V galvanic isolation between all ports with true **four (4) port isolation**. Both outputs are completely independent of each other and can be used as a noise filter or reducer of common mode noise in current loops.

The LSx/xx-M output currents/voltages are totally independent of load or line resistance variations, up to the 1200ohm limit, the voltage output versions can source up to 10mA.

The LS-M 24V is factory calibrated and there are no user accessible adjustments required.

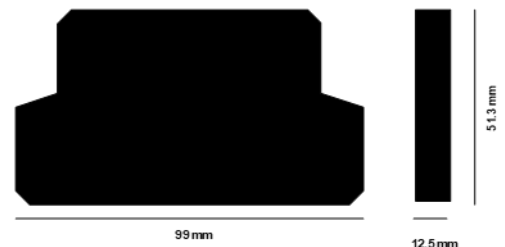


LSI/I-M Features.....



FEATURES

- ◆ Power LED
- ◆ Wide operating supply range 20-95V DC or 18-65V AC
- ◆ True four (4) port isolation
- ◆ Common 0V's have no effect (including the Supply V)
- ◆ Port to port creepage distance $\geq 2\text{mm}$ (reinforced)
- ◆ No user adjustment required
- ◆ Optical Isolation
- ◆ Current output 1200 ohms per loop resistance
- ◆ Voltage output load ability better than 10mA
- ◆ Output resistance D.C. (voltage) typically 10m Ω
- ◆ DIN rail mounting
- ◆ Very Small footprint 51.3mm x 12.5mm x 99mm H x W x L



SCHEMATIC DIAGRAM LSI/I-M



Also in Sydney – Brisbane – Adelaide – Hobart - Devonport

Transtech Electronic Controls Pty Ltd

Perth - Melbourne
Perth Tel: (08) 9302-2044
Melbourne Tel: (03) 9330-3624
Info@transtech.com.au
ABN 21 070 629 499

PRODUCT OVERVIEW



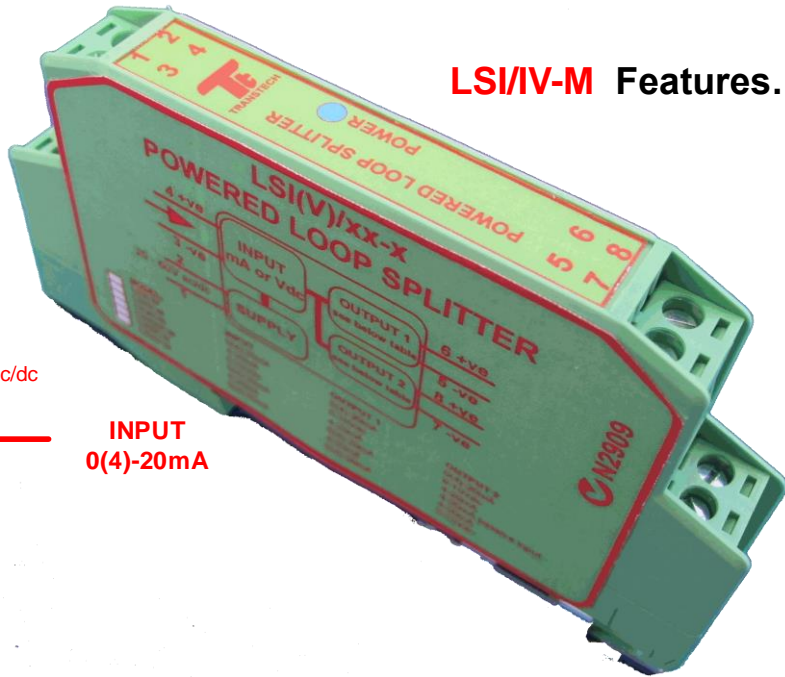
POWERED LOOP SPLITTER – mA to mA + Vdc

GENERAL DESCRIPTION

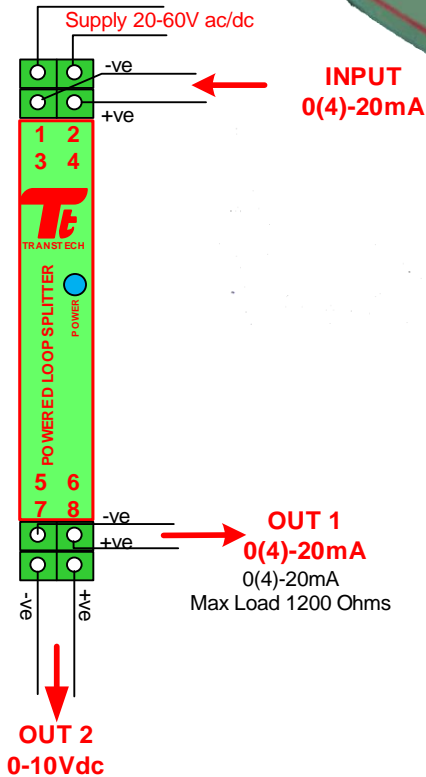
The LSx/xx-M range offers users a fully floating signal isolator that provides up to 1500V galvanic isolation between all ports with true **four (4) port isolation**. Both outputs are completely independent of each other and can be used as a noise filter or reducer of common mode noise in current loops.

The LSx/xx-M output currents/voltages are totally independent of load or line resistance variations, up to the 1200ohm limit, the voltage output versions can source up to 10mA.

The LS-M 24V is factory calibrated and there are no user accessible adjustments required.



LSI/IV-M Features.....

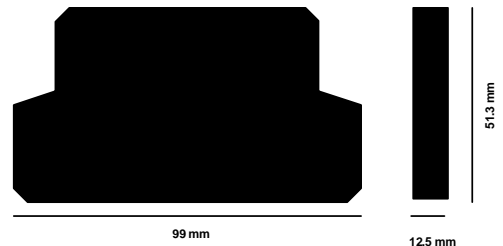


FEATURES

- ◆ Power LED
- ◆ Wide operating supply range 20-95V DC or 18-65V AC
- ◆ True four (4) port isolation
- ◆ Common 0V's have no effect (including the Supply V)
- ◆ Port to port creepage distance \geq 2mm (reinforced)
- ◆ No user adjustment required
- ◆ Optical Isolation
- ◆ Current output 1200 ohms per loop resistance
- ◆ Voltage output load ability better than 10mA
- ◆ Output resistance D.C. (voltage) typically 10m Ω
- ◆ DIN rail mounting
- ◆ Very Small footprint 51.3mm x 12.5mm x 99mm H x W x L

SCHEMATIC DIAGRAM

LSI/IV-M



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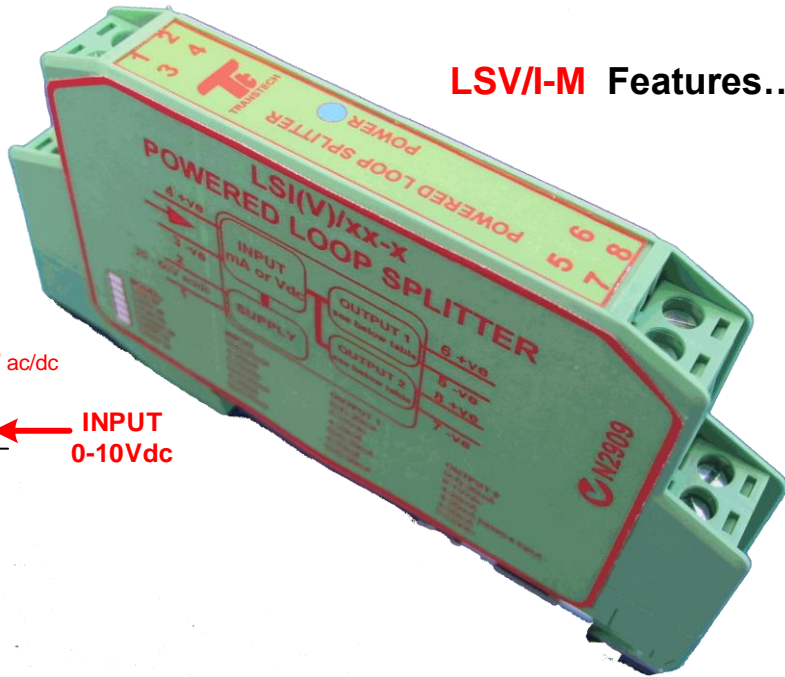
POWERED LOOP SPLITTER – Vdc to 4-20mA

GENERAL DESCRIPTION

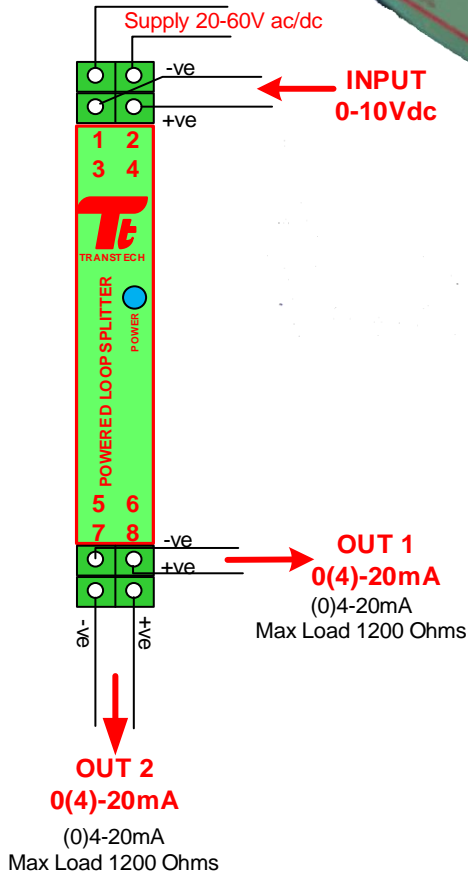
The LSx/xx-M range offers users a fully floating signal isolator that provides up to 1500V galvanic isolation between all ports with true **four (4) port isolation**. Both outputs are completely independent of each other and can be used as a noise filter or reducer of common mode noise in current loops.

The LSx/xx-M output currents/voltages are totally independent of load or line resistance variations, up to the 1200ohm limit, the voltage output versions can source up to 10mA.

The LS-M 24V is factory calibrated and there are no user accessible adjustments required.

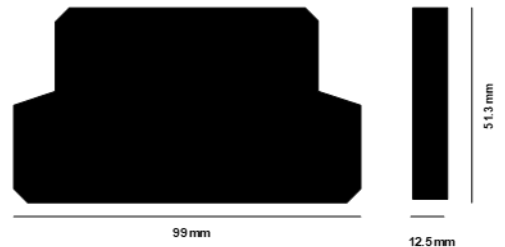


LSV/I-M Features.....



FEATURES

- ◆ Power LED
- ◆ Wide operating supply range 20-95V DC or 18-65V AC
- ◆ True four (4) port isolation
- ◆ Common 0V's have no effect (including the Supply V)
- ◆ Port to port creepage distance \geq 2mm (reinforced)
- ◆ No user adjustment required
- ◆ Optical Isolation
- ◆ Current output 1200 ohms per loop resistance
- ◆ Voltage output load ability better than 10mA
- ◆ Output resistance D.C. (voltage) typically 10m Ω
- ◆ DIN rail mounting
- ◆ Very Small footprint 51.3mm x 12.5mm x 99mm H x W x L



SCHEMATIC DIAGRAM LSV/I-M



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POWERED LOOP SPLITTER – mA to mA + Passive input

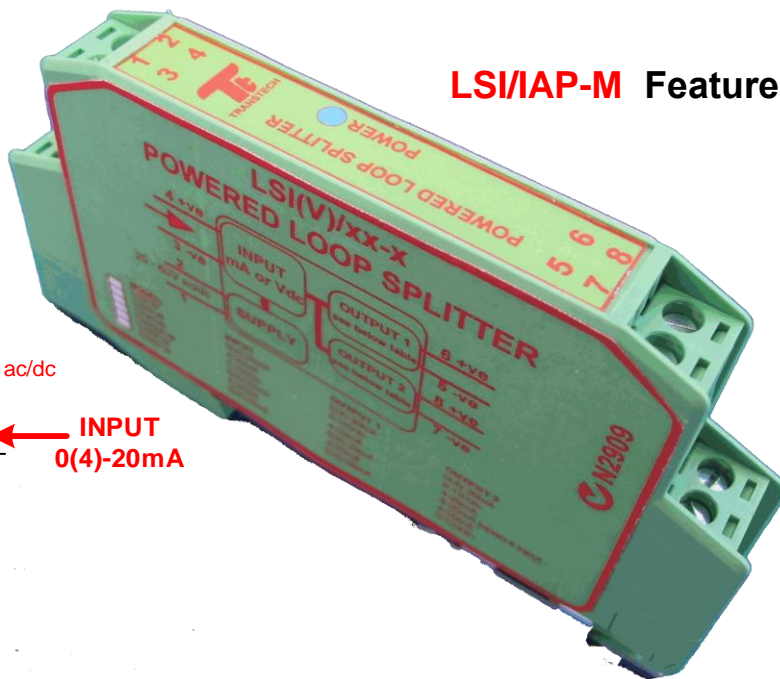


GENERAL DESCRIPTION

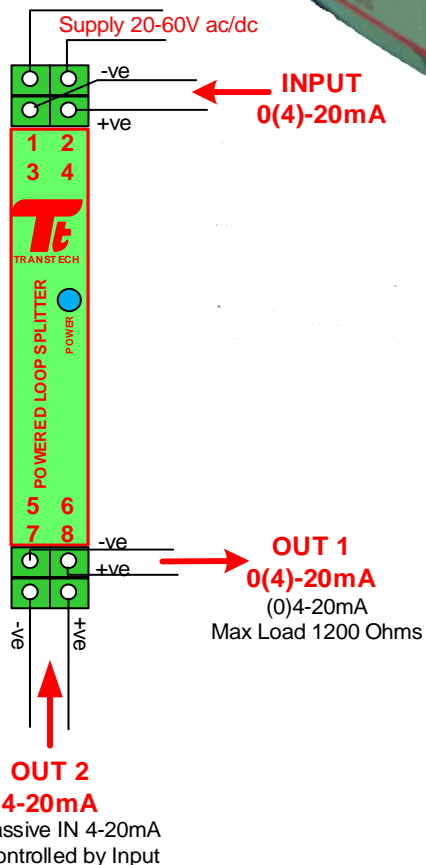
The LSx/xx-M range offers users a fully floating signal isolator that provides up to 1500V galvanic isolation between all ports with true four (4) port isolation. Both outputs are completely independent of each other and can be used as a noise filter or reducer of common mode noise in current loops.

The LSx/xx-M output currents/voltages are totally independent of load or line resistance variations, up to the 1200ohm limit, the voltage output versions can source up to 10mA.

The LS-M 24V is factory calibrated and there are no user accessible adjustments required.



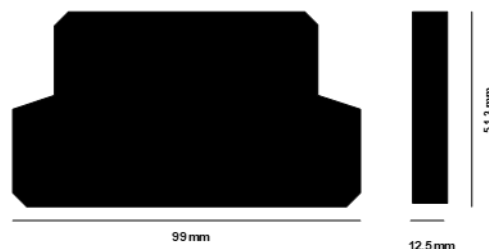
LSI/IAP-M Features.....



FEATURES

- ◆ Power LED
- ◆ Wide operating supply range 20-95V DC or 18-65V AC
- ◆ True four (4) port isolation
- ◆ Common 0V's have no effect (including the Supply V)
- ◆ Port to port creepage distance $\geq 2\text{mm}$ (reinforced)
- ◆ No user adjustment required
- ◆ Optical Isolation
- ◆ Current output 1200 ohms per loop resistance
- ◆ Voltage output load ability better than 10mA
- ◆ Output 2 of the LSI/IAP-M has a fixed lower limit of 4 mA
- ◆ Output resistance D.C. (voltage) typically 10m Ω
- ◆ DIN rail mounting
- ◆ Very Small footprint 51.3mm x 12.5mm x 99mm H x W x L

SCHEMATIC DIAGRAM LSI/IAP-M



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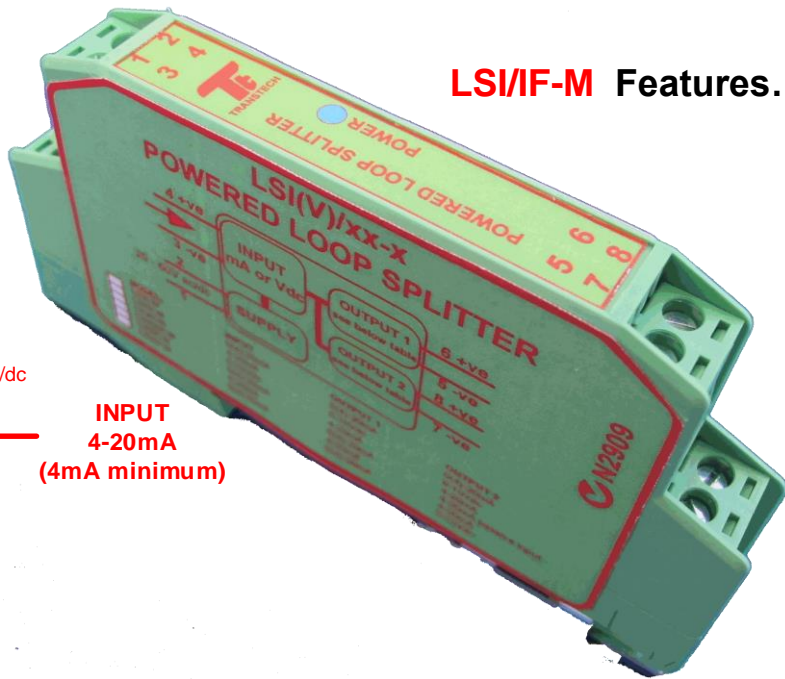
POWERED LOOP SPLITTER – mA to mA (min 4mA)

GENERAL DESCRIPTION

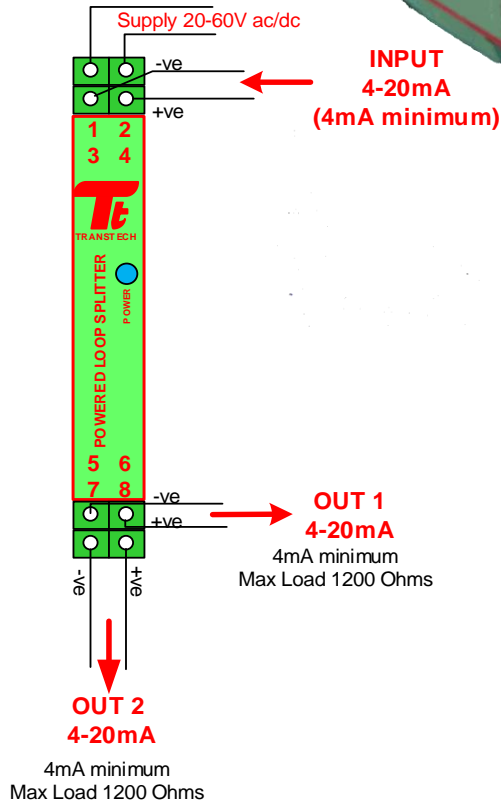
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The LS-M 24V is factory calibrated and there are no user accessible adjustments required.



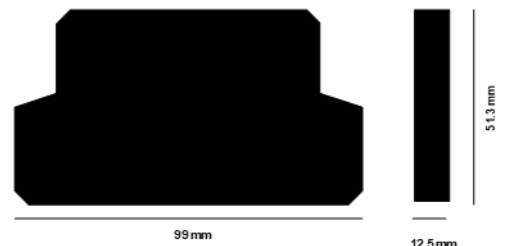
LSI/IF-M Features.....



FEATURES

- ◆ Power LED
- ◆ Wide operating supply range 20-95V DC or 18-65V AC
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- ◆ No user adjustment required
- ◆ Optical Isolation
- ◆ Current output 1200 ohms per loop resistance
- ◆ Voltage output load ability better than 10mA
- ◆ Output resistance D.C. (voltage) typically 10m Ω
- ◆ DIN rail mounting
- ◆ Very Small footprint 51.3mm x 12.5mm x 99mm H x W x L

SCHEMATIC DIAGRAM LSI/IF-M



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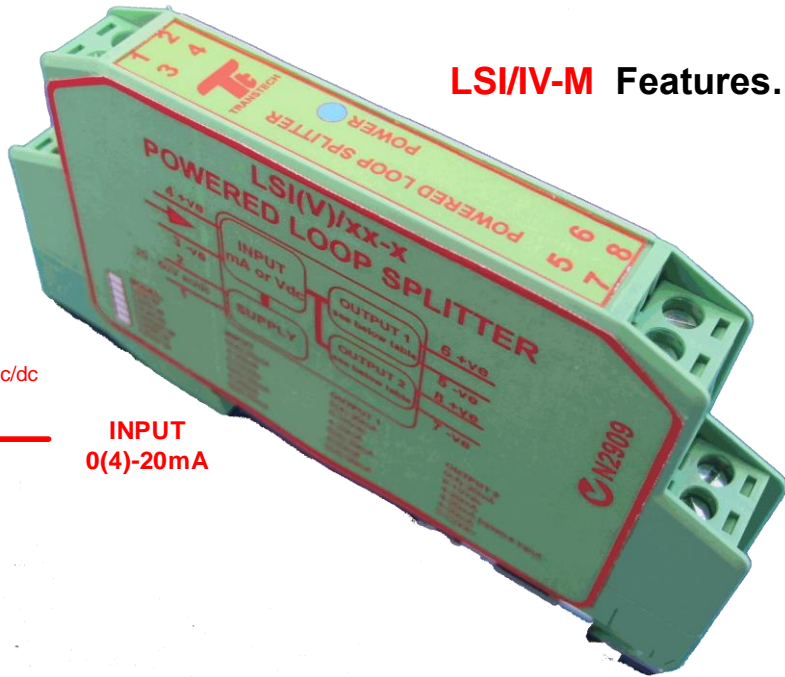
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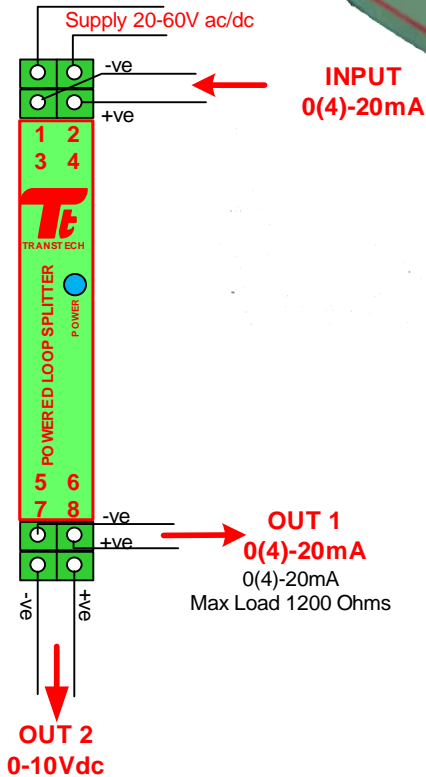
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LSI/IV-M Features.....

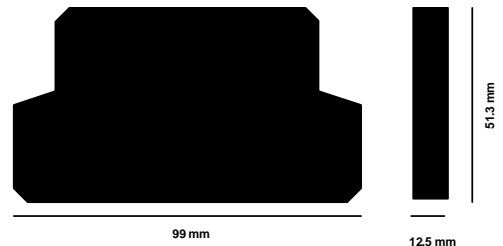


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Melbourne and Perth

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