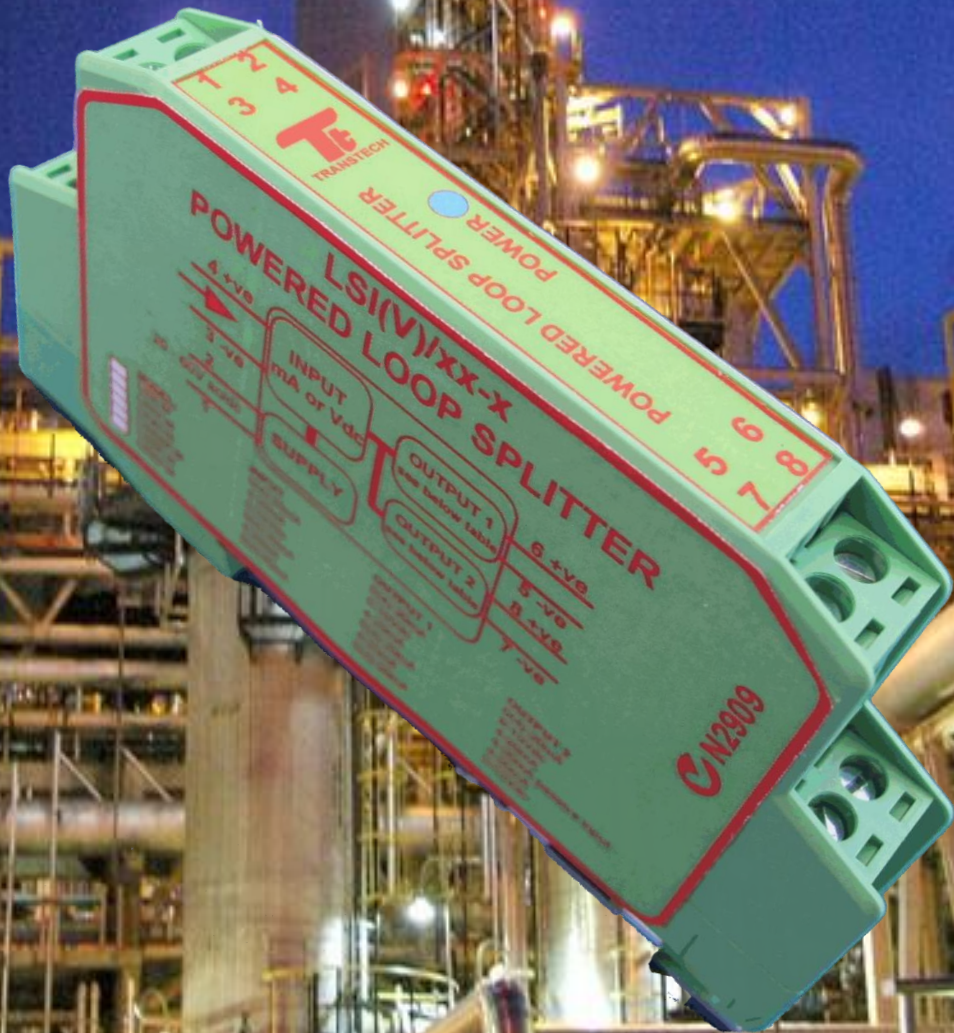


Transtech Multi-Range LSI Loop Repeater Series



www.transtech.com.au

PRODUCT OVERVIEW



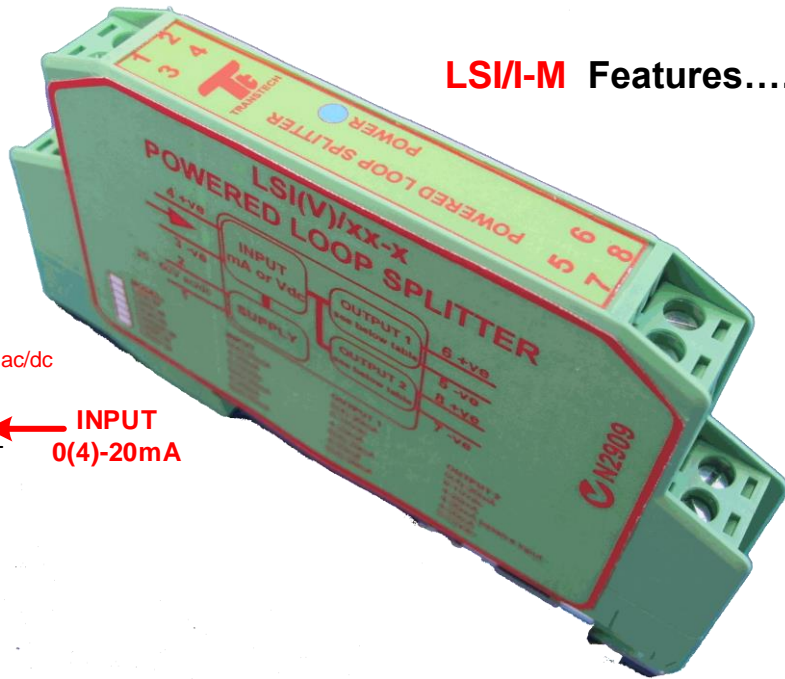
POWERED LOOP SPLITTER – mA to mA

GENERAL DESCRIPTION

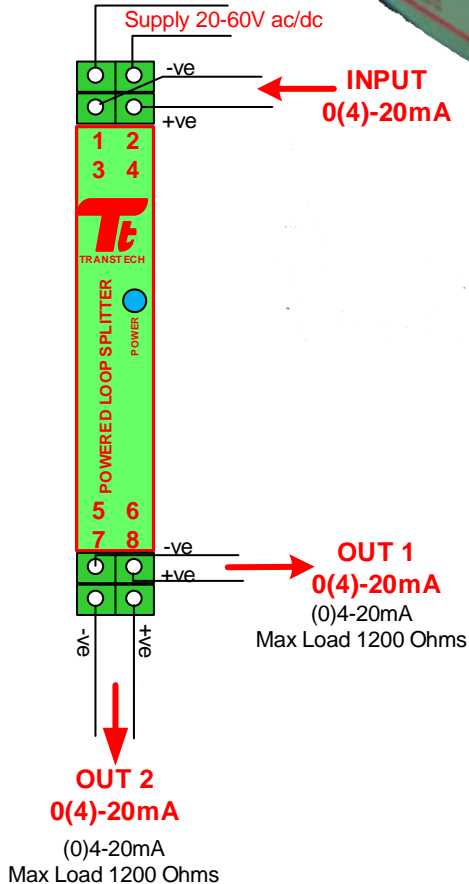
The LSx/xx-M range offers users a fully floating signal isolator that provides up to 1500V galvanic isolation between all ports with true **four (4) port isolation**. Both outputs are completely independent of each other and can be used as a noise filter or reducer of common mode noise in current loops.

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.

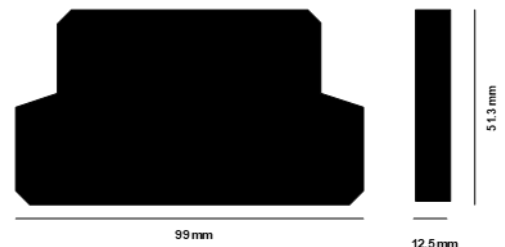


LSI/I-M Features.....



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 $10\text{m}\Omega$
- ◆ 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



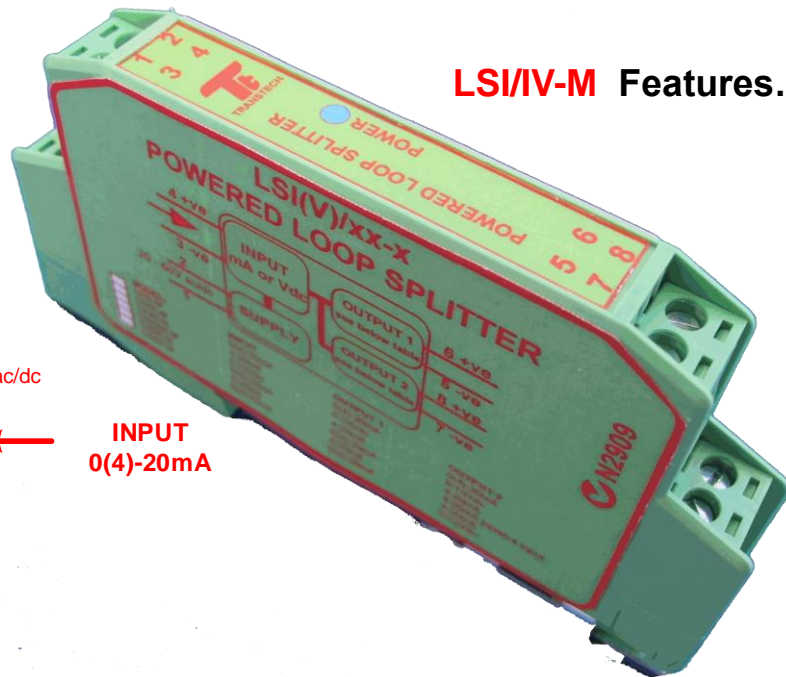
POWERED LOOP SPLITTER – mA to mA + Vdc

GENERAL DESCRIPTION

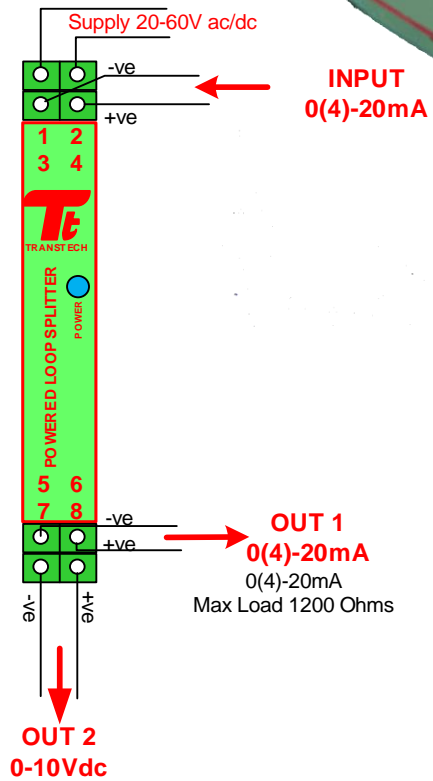
The LSx/xx-M range offers users a fully floating signal isolator that provides up to 1500V galvanic isolation between all ports with true **four (4) port isolation**. Both outputs are completely independent of each other and can be used as a noise filter or reducer of common mode noise in current loops.

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.....

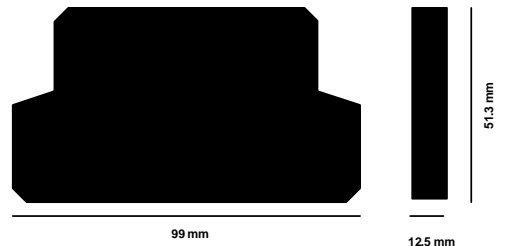


FEATURES

- ◆ 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 $\geq 2\text{mm}$ (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 $10\text{m}\Omega$
- ◆ 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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PRODUCT OVERVIEW



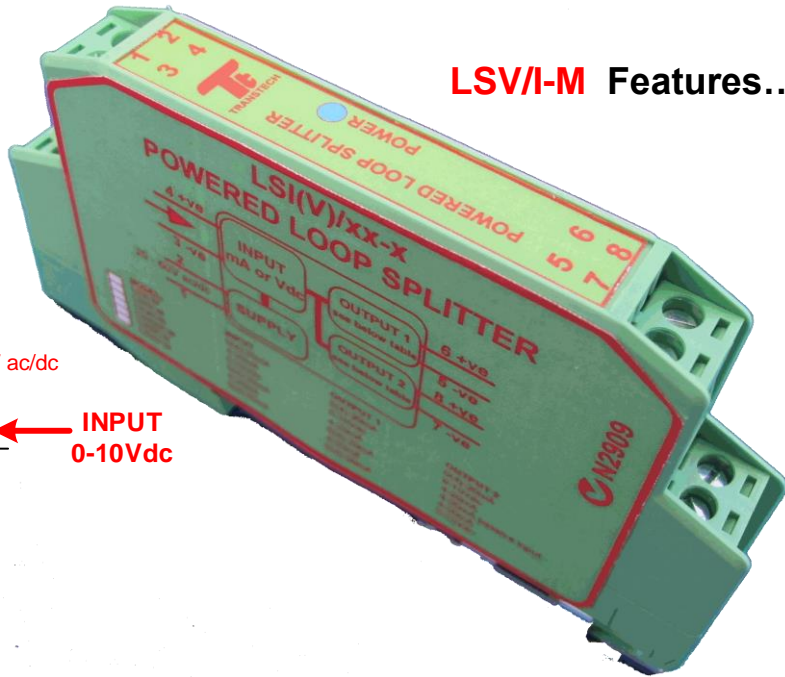
POWERED LOOP SPLITTER – Vdc to 4-20mA

GENERAL DESCRIPTION

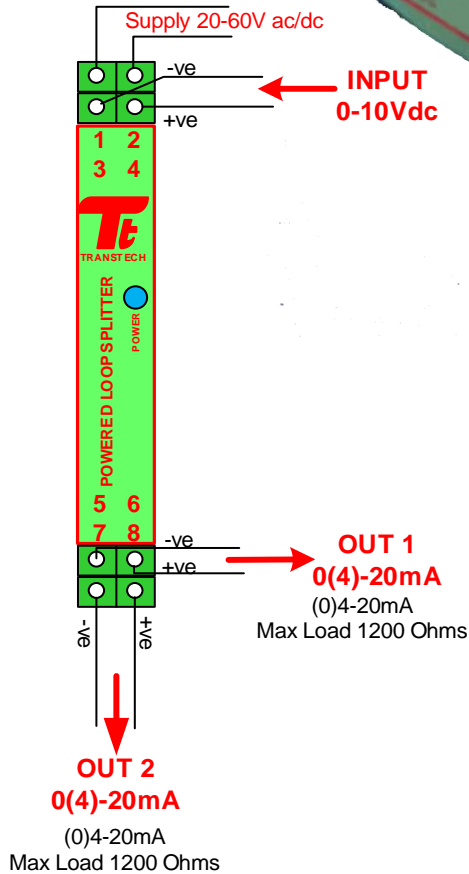
The LSx/xx-M range offers users a fully floating signal isolator that provides up to 1500V galvanic isolation between all ports with true **four (4) port isolation**. Both outputs are completely independent of each other and can be used as a noise filter or reducer of common mode noise in current loops.

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.

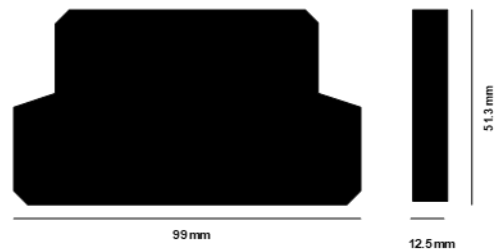


LSV/I-M Features.....



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 $\geq 2\text{mm}$ (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 $10\text{m}\Omega$
- ◆ 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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PRODUCT OVERVIEW

POWERED LOOP SPLITTER – mA to mA + Passive input

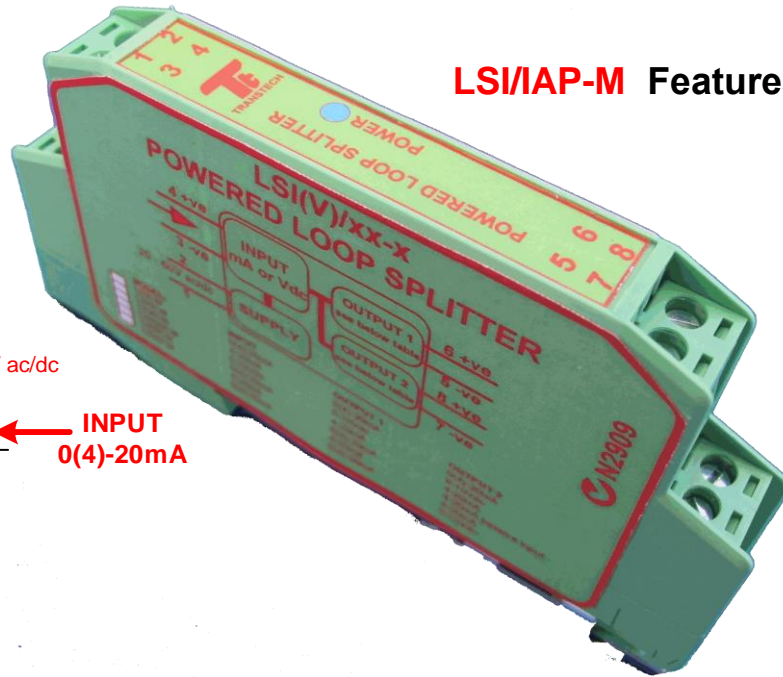


GENERAL DESCRIPTION

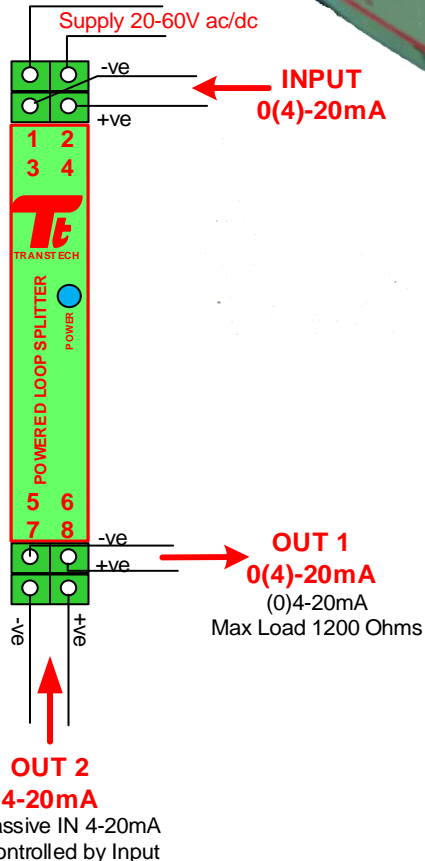
The LSx/xx-M range offers users a fully floating signal isolator that provides up to 1500V galvanic isolation between all ports with true **four (4) port isolation**. Both outputs are completely independent of each other and can be used as a noise filter or reducer of common mode noise in current loops.

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.



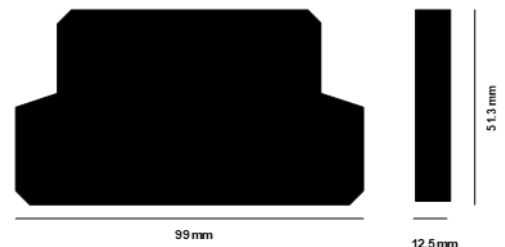
LSI/IAP-M Features.....



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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PRODUCT OVERVIEW



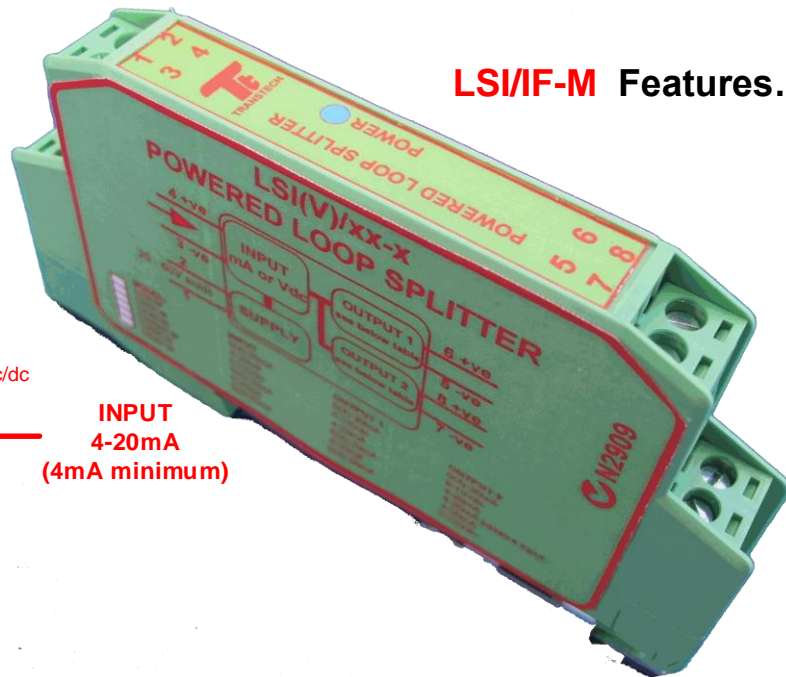
POWERED LOOP SPLITTER – mA to mA (min 4mA)

GENERAL DESCRIPTION

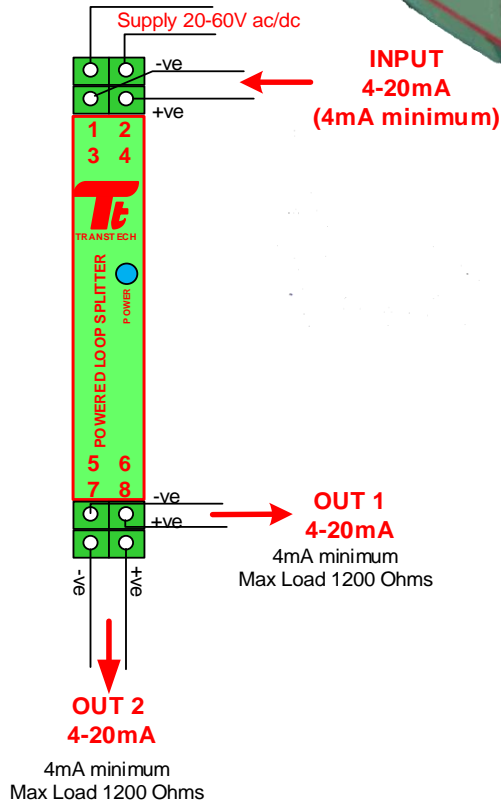
The LSx/xx-M range offers users a fully floating signal isolator that provides up to 1500V galvanic isolation between all ports with true **four (4) port isolation**. Both outputs are completely independent of each other and can be used as a noise filter or reducer of common mode noise in current loops.

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.



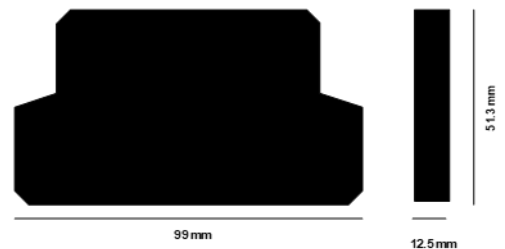
LSI/IF-M Features.....



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/IF-M



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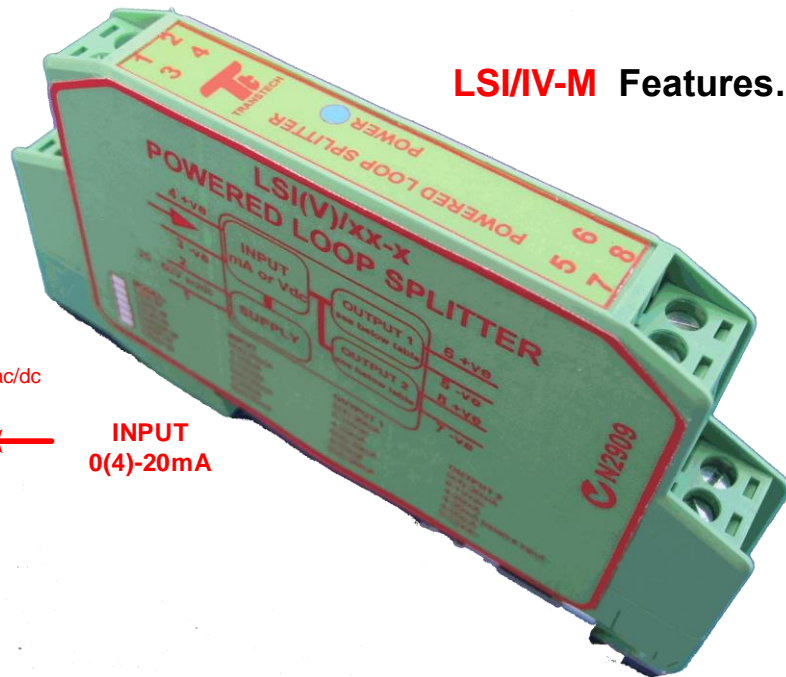
POWERED LOOP SPLITTER – mA to mA + Vdc

GENERAL DESCRIPTION

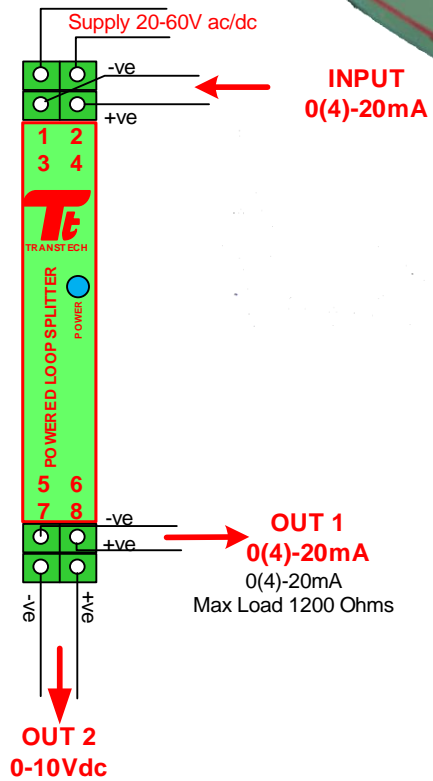
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The LSx/xx-M output currents/voltages are totally independent of load or line resistance variations, up to the 1200ohm limit, the voltage output versions can source up to 10mA.

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



LSI/IV-M Features.....

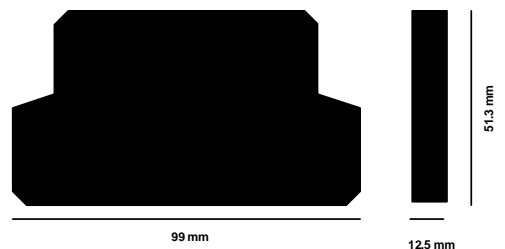


FEATURES

- ◆ 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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