

### Function:

The MTS-4AI is a 4 channel analog input module. It provides analog input capability for an MTS series telemetry system. The MTS-4AI communicates with its counterpart, the MTS-4AO analog output module.

Inputs can be wired to be sinking or sourcing depending on the 4-20mA signal source. 24VDC is also available on the input terminals for 3- and 4-wire connections. Input resolution is 16-bits for high accuracy.

Deployment and installation is as simple as plugging the needed I/O modules into the communications module and assigning unique module ID's. Power and communication for the modules are provided through an integral bus.

### Standard Features:

- 4 Analog Inputs (4-20mA)
- 2-Wire Sinking or Sourcing Inputs
- 24V Power Supply Output for 3- & 4- Wire Inputs
- Integrated Power & Data Bus Reduces Wiring
- Modular Design Provides Maximum Flexibility
- No Programming Required - Easy to Configure
- Microprocessor Controlled for High Accuracy
- Power: 24 VDC (From Integrated Bus)
- Easy Future Expansion
- Class I, Div. 2 Approved

### Configuration:

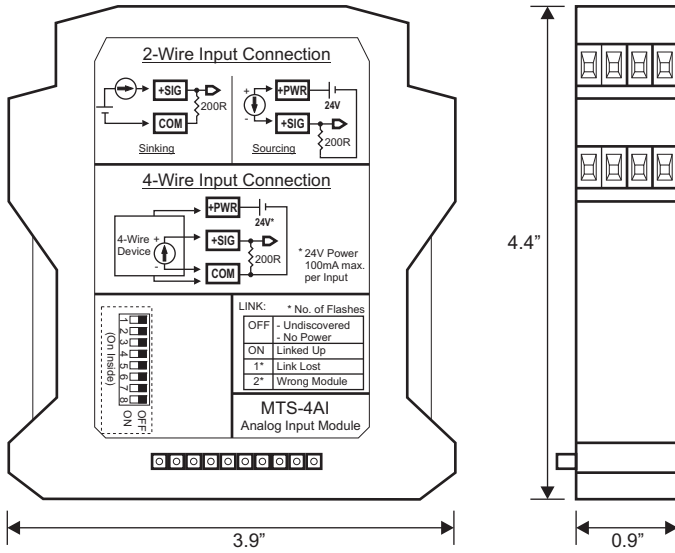
The MTS-4AI input module must be paired up with the MTS-4AO output module. Both modules must be set to the same ID with the ID Selector Switches. Each input can be wired as either sinking or sourcing type.

### Specifications:

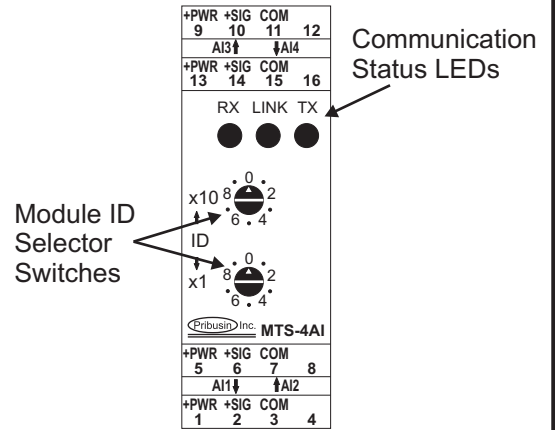
- Inputs: 4-20mA sinking (200 ohm load)
- 4-20mA sourcing (max. 20mA)
- 3- & 4-Wire (24VDC @ 100mA max.)
- Power Consumption: 0.7VA min., 2.5VA max.
- Input Impedance: 200 ohms
- Reverse Polarity Protection: Yes
- Approvals: ETL 3098704:
  - Class I & II, Div. 2 and Class III, Div. 1&2;
  - UL 508; CSA-C22.2 No. 14-95

# MTS-4AI

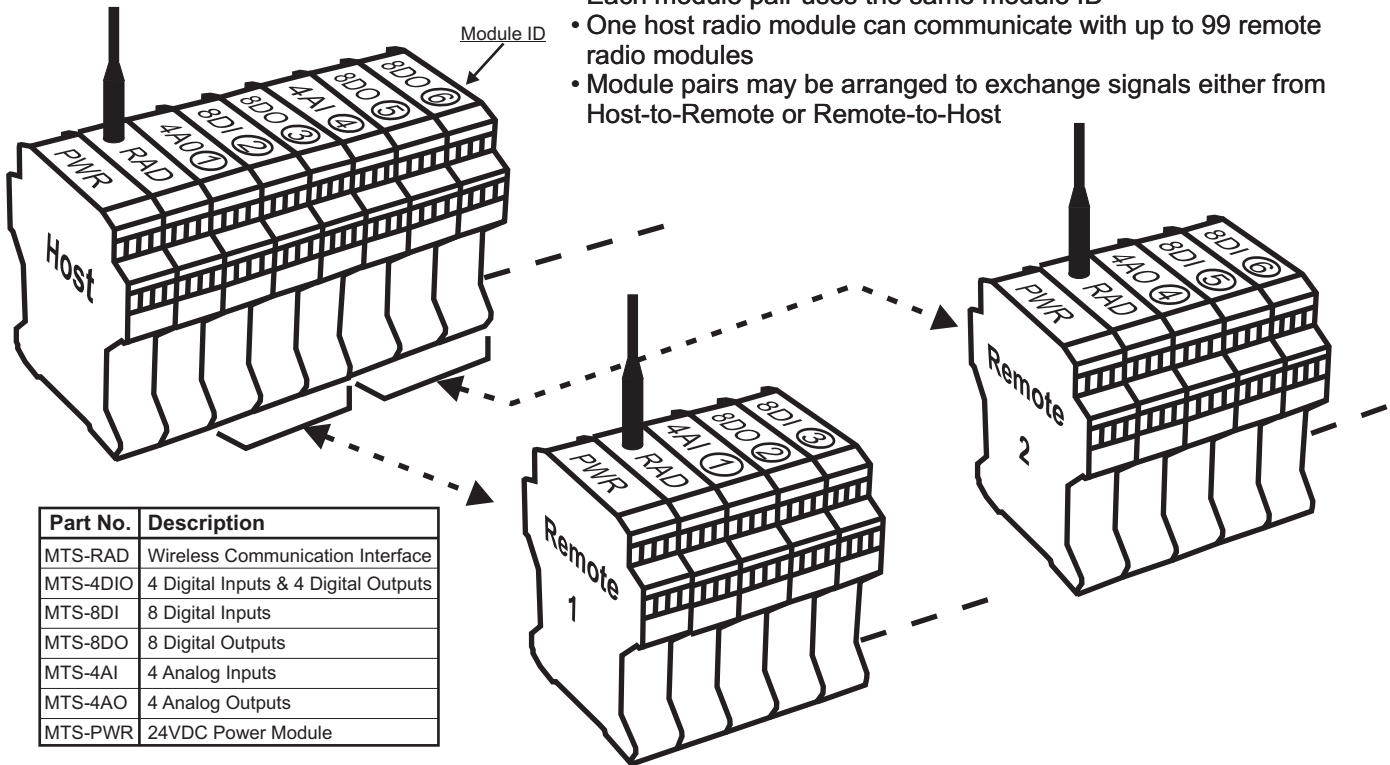
## Module Dimensions:



## Top View:



## System Example:



## Manufactured By:



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