



Function:

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

Outputs are isolated from each other to provide added protection and to prevent ground loops. Output resolution is 16-bits for high accuracy.

Outputs can be wired to be sinking or sourcing depending on the 4-20mA signal source.

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 Outputs (4-20mA)

Outputs are Isolated to 1.5kV

24V Power Supply Output for Sourcing 4-20mA

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

Specifications:

Outputs: 4-20mA sinking

4-20mA sourcing (max. 20mA)

Power Consumption: 0.5VA min., 2.5VA max.

Isolation: 1.5kV, Optically Isolated

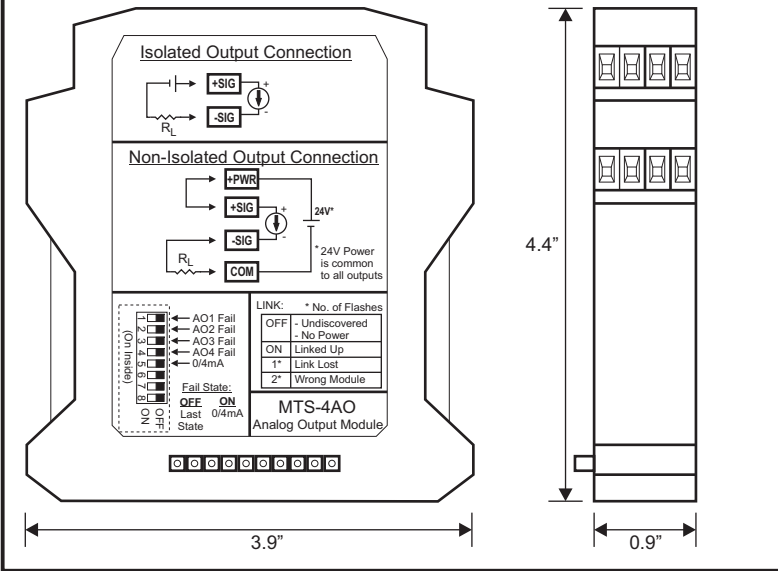
Approvals: ETL 3098704:

Class I & II, Div. 2 and Class III, Div. 1&2;

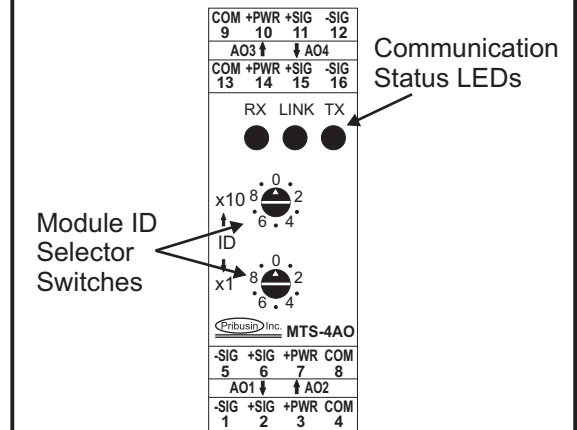
UL 508; CSA-C22.2 No. 14-95

MTS-4AO

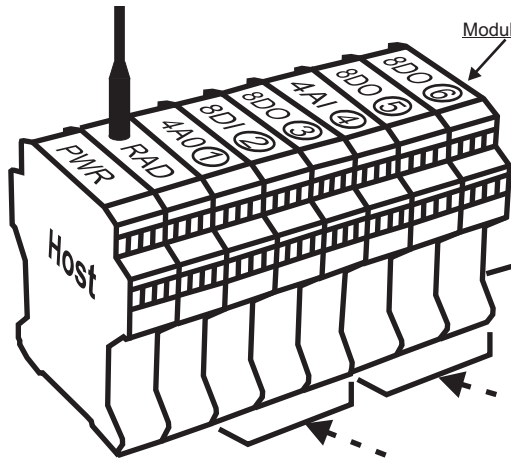
Module Dimensions:



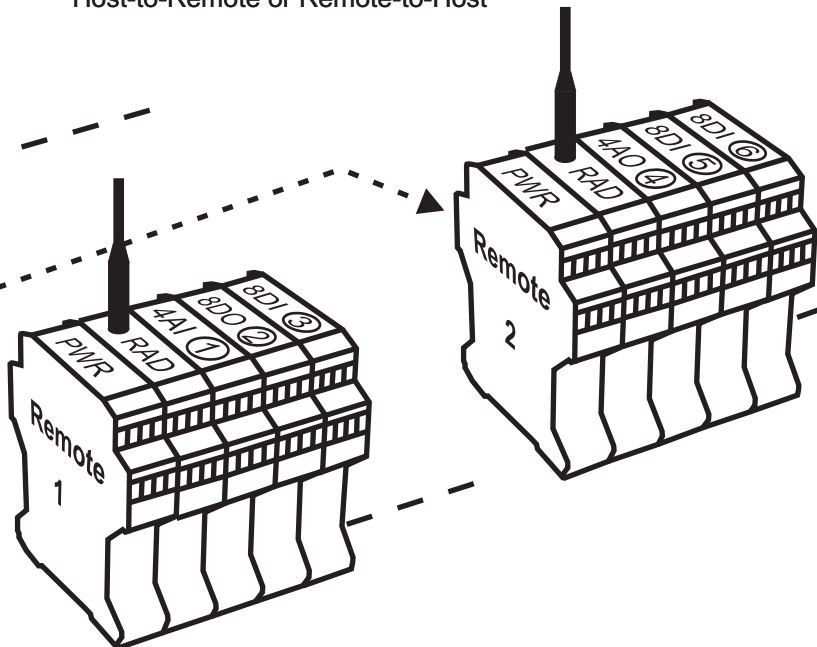
Top View:



System Example:



- Each Input module must have an Output module counterpart
- Each module pair uses the same module ID
- One host radio module can communicate with up to 99 remote radio modules
- Module pairs may be arranged to exchange signals either from Host-to-Remote or Remote-to-Host



| Part No. | Description |
|----------|--------------------------------------|
| MTS-RAD | Wireless Communication Interface |
| MTS-4DIO | 4 Digital Inputs & 4 Digital Outputs |
| MTS-8DI | 8 Digital Inputs |
| MTS-8DO | 8 Digital Outputs |
| MTS-4AI | 4 Analog Inputs |
| MTS-4AO | 4 Analog Outputs |
| MTS-PWR | 24VDC Power Module |

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