

## 8 Input / 8 Output Relay Network Interface

### FEATURES

- Eight alarm input ports.
- Eight solid state relay control output ports.
- DashBoard™ software monitoring and control.

### GENERAL

The IRT-6000-TPD is an 8 input / 8 output solid state relay module designed to work in conjunction with openGear® DashBoard® control software.

The IRT-6000-TPD finds particular use in gathering alarm and status information from non-network controlled devices that use either relay or transistor switch to ground or open circuit output ports.

As well as being used for gathering information from non-networked devices, the IRT-6000-TPD also has the ability to control non-networked devices that only need simple switching so that remote control is possible via openGear® DashBoard® control software.

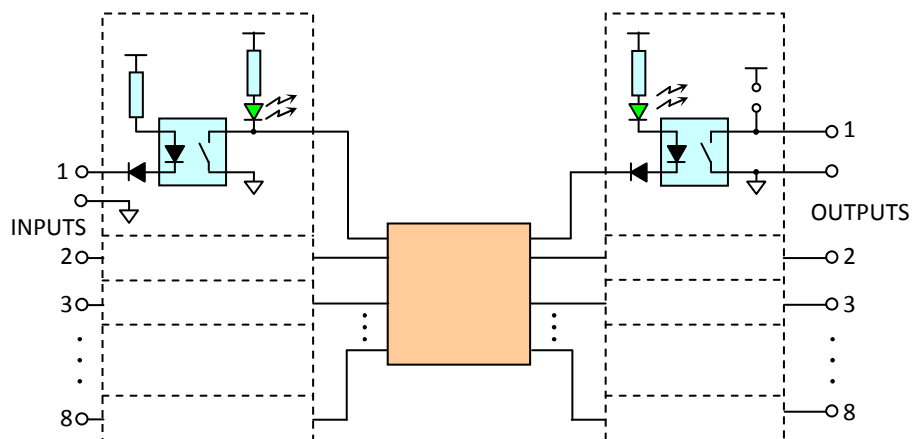
8 independent inputs are opto-coupled being activated by either a switch to ground or switch to open circuit contact.

8 solid state relay outputs switch to either ground or open circuit to allow drive control to external equipment that require either of these two states to operate.

The IRT-6000-TPD is designed to fit the openGear® standard 2RU frames which allow a mixture of cards from various manufacturers to be mounted within the same frame.

The DashBoard™ control software is available as a free download.

**BLOCK DIAGRAM IRT-6000-TPD SIGNAL PATH**



## TECHNICAL SPECIFICATIONS

### Inputs:

Number	8.
Type	Switch to ground or switch to open circuit (DIP switch settable).
Control drive current range	2.0 to 25 mA.
Switch to ground control drive current	3.8 mA.

### Outputs:

Number	8.
Type	Solid state relay, switch to ground or switch to open circuit (DIP switch settable).
Operating voltage range	0 to $\pm 250$ V (dc or ac peak).
Maximum load current	170 mA (ac or dc) @ $T_A = +40^\circ\text{C}$ , 5mA control.
Maximum on state resistance	15 $\Omega$ .
Maximum off-state leakage	1.0 $\mu\text{A}$ @ $T_A = +25^\circ\text{C}$ , $\pm 250\text{V}$ .

### Power Requirements:

Voltage	+ 12 Vdc.
Power consumption	< 2VA.

### Connectors:

2 pin Phoenix pluggable screw block.

### Other:

Temperature range	0 - $50^\circ\text{C}$ ambient.
Mechanical	Suitable for mounting in an openGear® 2RU rack chassis.
Dimensions (openGear® standard)	33.6 mm x 2U x 325 mm.

Supplied accessories	Rear connector assembly.
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Ordering	IRT-6000-TPD	IRT-6000-TPD, programmed with DashBoard™ control.
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