IRT

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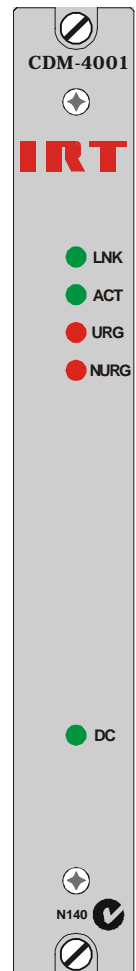Email: sales@irtelectronics.com
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SNMP Agent
Frame Controller
Type CDM-4001

Features:

- **SNMP remote monitoring and control via Ethernet connection**

- **Automatic "Trap" transmission on major alarms**

- **Front panel LED indicators**

- **Own designated slot in the FRU-4001 3RU frame**

CDM-4001

IRT

- LNK
- ACT
- URG
- NURG

- DC

N140

General:

The CDM-4001 is a Simple Network Management Protocol (SNMP) Agent for use in IRT's FRU-4001 3RU frame. It occupies its own designated slot within the frame, next to the power supply, so it does not affect the number of modules that can be used within the frame.

The CDM-4001 can communicate with all modules in a Frame that are fitted with an SMU-4000 SNMP Interface sub-board, or have inbuilt SNMP facilities. The information obtained is forwarded via an Ethernet connection to any SNMP Network Management System (NMS) whose address is configured in the CDM-4001.

The CDM-4001 holds parameters such as Frame Name, Address and Location. This information may be set via an RS232 Configuration port.

The NMS third party software (not supplied by IRT) polls the CDM-4001 to remotely monitor and control the frame and its SNMP capable modules.

In the event of a major alarm from any of the modules or power supply an alarm condition, known as a Trap, is automatically sent without any prompting from the NMS.

Front panel LEDs indicate the presence of an Ethernet link, link activity and the Frame urgent & non-urgent alarm states.

Ethernet connection is via an RJ45 connector and the RS232 is via a D9 female connector on the rear of the frame. Modules that are being monitored and controlled share a common data bus on the frame.

SNMP monitoring and control finds particular use in remote or unmanned locations such as transmitter sites, or where control via a computer is desired.

As the CDM-4001 can be assigned its own IP Address, multiple sites can be monitored and controlled via the one NMS. Alternatively, multiple NMS's in different locations can be used to monitor and control the same site.

CDM-4001 Technical Specifications

Ethernet:

Rate	100baseT\ 10 baseT.
Connector	RJ45 (on rear of FRU-4001 frame).

RS232:

Rate	9600 baud
Connector	Female D9
	(on rear of FRU-4001 frame)

SNMP:

Version	1
Configurable settings	sysContact
	sysName
	sysLocation
	Agent IP address
	NMS IP address (max 5)
	Gateway IP address
	Subnet mask
	Community
	Agent port number
	Trap port number

Front Panel Indicators:

LINK	(Green)	- Ethernet present
ACT	(Green)	- Activity, Ethernet communication
URG	(Red)	- Urgent Alarm detected
NURG	(Red)	- Non urgent Alarm detected
DC	(Green)	- Power present

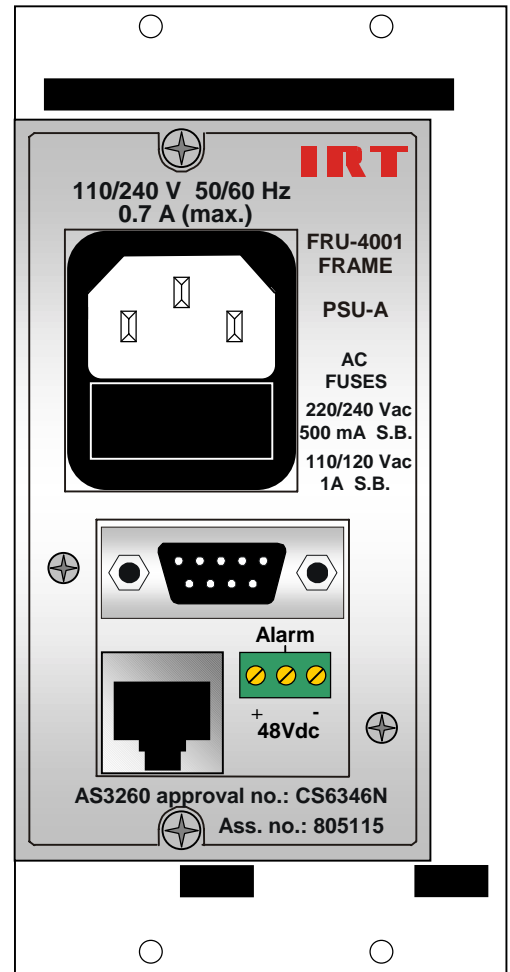|	
Power Requirements	28 Vac CT (14-0-14) or ± 16 Vdc.
Power consumption	<5 VA.

Other:

Temperature range	0 - 50° C ambient.
Mechanical	Suitable for mounting in IRT 19" rack chassis with input, output and power connections on the rear panel.

Finish:	Front panel	Grey background, black lettering.
	Rear assembly	Part of FRU-4001 3RU frame.

Dimensions	3 HP x 3 U x 220 mm IRT Eurocard

Due to our policy of continuing development, these specifications are subject to change without notice.