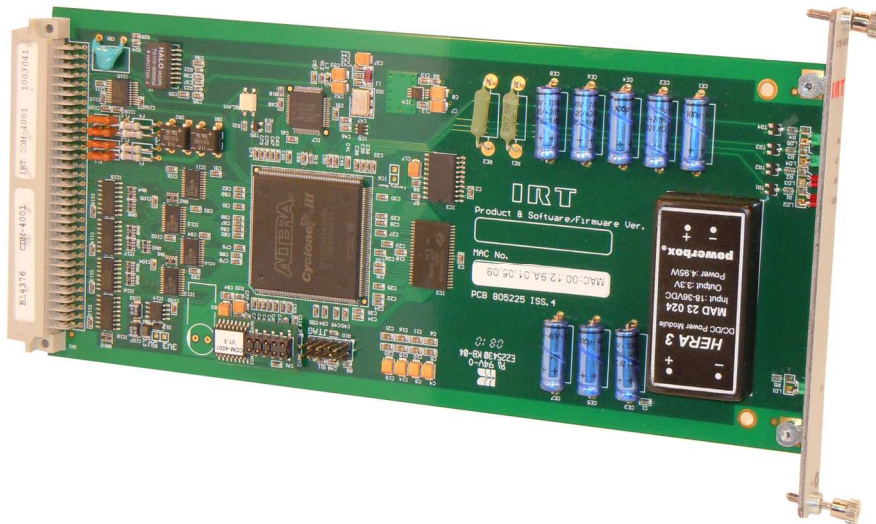## SNMP Agent Frame Controller

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.**

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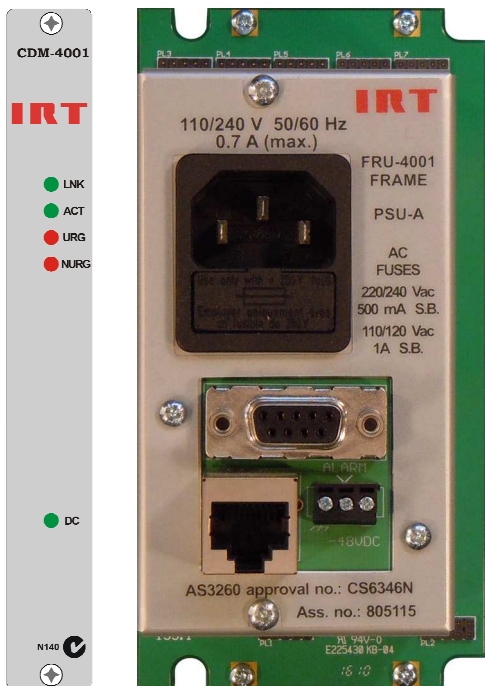
In the event of a major alarm from any of the modules or power supply an alarm condition, known as a Trap, is automatically sent without any prompting from the NMS.

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.

TECHNICAL SPECIFICATIONS

Ethernet:

Rate	100 baseT / 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, Communication.
URG	(Red)	Urgent Alarm detected.
NURG	(Red)	Non urgent Alarm detected.
DC	(Green)	Power present.

Power requirement:

Voltage	28 Vac CT (14-0-14) or ±16 Vdc.
Consumption	< 5VA.

Other:

Temperature		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 & red IRT logo.
	Rear assembly	Part of FRU-4001 3RU frame.
Dimensions		3 HP x 3 U x 220 mm IRT Eurocard.