Outdoor Control Module

Features

- Communicates with newer models via Ethernet, and with legacy amps via serial interface (RS-485). Supports SIM switch configuration software, controlling up to sixteen switches and ten amplifiers which have CAN-Bus architecture.
- For legacy amplifier control, this product is capable of monitoring up to three amplifiers and four mechanical switches.
- Can be used as a switch monitor and manual override controller in systems where all HPAs are connected to a SIM switching system or legacy switch system.
- Provides upstream Ethernet interface for the connected-legacy amplifiers:
    - Ethernet control only (BCIP or ACIP as supported by amplifier) or serial interface
    - Web interface available
- Ethernet hub

Local User Interface

- Ethernet port
- Multiple serial ports
- Can drive up to four legacy switches or 16 SIM-based switches

Local User Interface

- BCIP or ACIP over standard Ethernet to amplifiers
- Serial (BCIP or if legacy, ACIP) to amplifiers: RS-485
- Serial - Panel to M&C system: RS-232/485
- M&C of this device via hosted browser based web page

Mechanical Interface

- NEMA enclosure
- Less than 25 pounds (11.4 kg)

Regulatory

- RoHS certified
- CE certified
- EMC per directive 2004/108/EC to Class A equipment level

Outdoor Control Module
Provides full M&C capability for most outdoor satellite uplink amplifiers and amplifier systems

OPTIONS

- Second AC input
- Redundant power supply
- Legacy switch interface
- CAN-Bus SIM switch interface
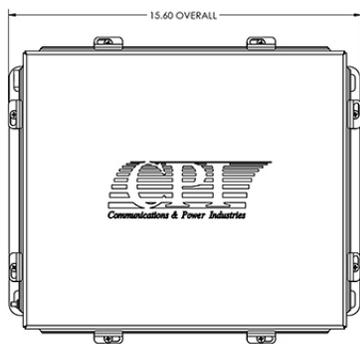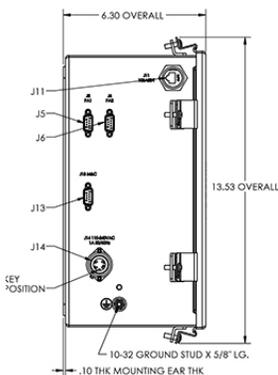- Discrete fault/inhibit interface to and from amplifiers

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Outdoor Control Module

Specification	*Part Number 0200165000*
M&C Screen (Via Web GUI)	• Redundant switch system status and system control • Amplifier status, menu, meters, settings and event log
Controls (only available through Web GUI or M&C)	• Local/Remote • Switch system selector • Switch auto/manual • Manual switch control • Amplifier selector • Transmit and standby • Fault reset • RF inhibit • Amplifier RF power level • Menu selector • AC on/off switch
Connections	• AC prime power input • RS-485 to amplifier(s) • RS-232/422/485 serial M&C port • 10Base-T Ethernet M&C port
Size	12 x 14 x 6" max. (305 x 356 x 153 mm)
Weight	<25 lbs (11.4 kg) --- may vary with options
Prime Power	100 to 240 VAC ±10%, 50/60 Hz
Power Consumption	< 20 W --- may vary with options
Ambient Temperature Range	-20°C to +60°C operating; -54°C to +71°C non-operating
Relative Humidity	100% condensing
Shock and Vibration	As encountered in normal transportation

CONNECTOR INTERFACES			
REF DES	FUNCTION	CONNECTOR TYPE	MATING CONNECTOR
J1	WG SWITCH 1	15 PIN D-SUB (F)	15 PIN D-SUB (M) ITT CANNON DEU-15P
J2	WG SWITCH 3	15 PIN D-SUB (F)	15 PIN D-SUB (M) ITT CANNON DEU-15P
J3	WG SWITCH 2	15 PIN D-SUB (F)	15 PIN D-SUB (M) ITT CANNON DEU-15P
J5	RS-485 TO PA1	9 PIN D-SUB (F)	9 PIN D-SUB (M) ITT CANNON DEU-9P
J6	RS-485 TO PA3	9 PIN D-SUB (F)	9 PIN D-SUB (M) ITT CANNON DEU-9P
J11	10BASE-T	RJ-45 JACK MXRJS-5EPFFF J-SC7610 AMPHENOL/LTW	RJ-45 PLUG RCP-00AMMA-SLM7001: AMPHENOL/LTW
J13	RS-232/RS-485 FROM M&C COMM	9 PIN D-SUB (F)	9 PIN D-SUB (M) ITT CANNON DEU-9P
J14	AC INPUT	AMPHENOL MALE T-3110-010	AMPHENOL FEMALE T-3109-001

OUTLINE DRAWING
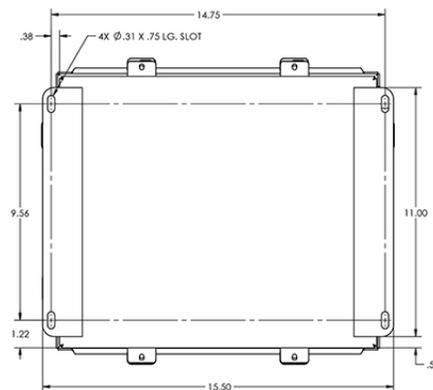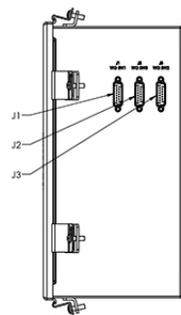
MOUNTING DETAILS

Outline Drawing

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