

MicroTech[®] Open Protocol Master Panel

Submittal Sheet

Application

The Open Protocol Master (OPM) Panel is a microprocessor-based controller that allows building automation systems (BAS) to obtain information from all networked MicroTech controllers via a single communications port. The OPM Panel acts only as a communications link between MicroTech controllers and a participating manufacturer's BAS. The OPM Panel does not control the various unit or network system controllers.

An IBM[®] compatible computer containing MicroTech Open Protocol[™] Monitor[™] software is used to commission the network. The Open Protocol Monitor software and license agreement must be purchased in addition to the OPM Panel.

Features of the OPM Panel

Microprocessor Control Board (MCB)

The MCB contains the necessary components that allow the OPM Panel to communicate with the BAS and the MicroTech controllers.

Two Communications Ports

The communications ports allow for networks using RS-485 and for direct connection with a PC or a participating BAS networks using RS-485 or RS-232.

Port A Select Switch

The port A select switch enables the user to change port A to RS-485 interface or RS-232 interface.

LEDs

The LEDs on the MCB allow the user to monitor power and communications.

Reset LED – Illuminates for five seconds when power is applied to the MCB.

Status LED – Indicates when the MCB is operational and ready to communicate.

Watchdog LED – Operates the same as the Reset LED.

Specifications

Housing:	NEMA 1 enclosure
Dimensions:	14" wide X 16½" high X 4" deep (356 mm X 419 mm X 112 mm)
Net Weight	40 lb. (18 kg)
Environmental	
Temperature:	32°F–100°F (0°C–38°C) (operating) -40°F–140°F (-40°C–60°C) (non-operating)
Humidity:	0%–95% noncondensing
Communications Cable:	Shielded, paired cable, 300V, 20 AWG stranded, polyethylene, insulated (Belden 8762 or equivalent). 5000 feet maximum distance.