

## “ROM” Remote Output Module PBT-ROM-[x][y]



- General-purpose remote control of external equipment
- Simple “point-of-use” modular architecture
- Communications and powering provided via “P-Bus” RS485 port on PBT site controller devices.
- Up to four ROMs on each site controller P-Bus port
- Four configurable & controllable output points
- Output states are preserved during loss of system power.
- Internal temperature sensor
- Optional internal humidity sensor
- Powered from P-Bus
- Modular quick-disconnect terminal blocks

The ROM is a remote output module that is designed to operate in conjunction with PBT’s battery monitoring system or with the ContactAgent general purpose remote monitoring system.

The ROM operates with the ContactAgent or with the PBT-SC3B Site Controller hosts via the “P-Bus” powered RS485 expansion bus. The host supplies operating power and communications signaling for the ROM slave over the P-Bus using common CAT5/RJ45 interconnect cabling.

Up to four ROMs can be operated in a “daisy-chain” configuration on each host P-Bus port. This provides a maximum expansion capability of four ROMs per ContactAgent host or eight ROMs per SC3B Battery Monitoring Site Controller. Each ROM provides four sets of remotely controllable Form-C relay contact outputs. The relays are of the mechanically latched type, so the contact state is preserved even if power to the ROM is lost.

The status of each output for every ROM on the host controller’s P-Bus is viewable from the host’s built-in web server or via SNMP. ROM output states are also controllable via the web interface or via SNMP. LED indicators on the ROM also provide a local indication of each relay’s state.

Each ROM also contains an internal temperature sensor, and an optional humidity sensor.

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## Specifications

Number Of User Defined Outputs	4
Output Types	Form-C relay
Relay Voltage Withstanding	60 VDC or RMS AC
Relay Current Withstanding	1 A
Internal Temperature Sensor	-40 °C to +60 °C; +/-2%
Optional Humidity Sensor	5% RH to 95% RH; +/- 2%
Optional Commercial Line Voltage Measurement (In Addition To 6 User I/O Inputs)	50 VAC to 150 VAC RMS nom; +/- 5%
Size	2.6" x 2.6" x 1" nominal
Interface To Controller	P-Bus RS485 on RJ45 connector; power supplied by daisy chain
Environment	-40 °C to +60 °C; 0-95% RH

Model	Features
PBT-ROM-1[y]	Latching relays
PBT-ROM-2[y]	Non-latching relays

y = “H” signifies internal humidity sensor

Mounting bracket included.



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Preliminary data subject to change. Rev 2.0