

Remote Output Module

PBT-ROM-[x][y]



PBT's Remote Output Module (ROM)

- 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.
- Optional internal humidity sensor
- Internal temperature sensor
- Powered from P-Bus
- Modular quick-disconnect terminal blocks

The Phoenix Broadband Technologies PBT-ROM-[x][y] is designed to operate in conjunction with PBT's battery monitoring system.

The ROM operates with the SC4 Site Controller host 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 eight ROMs per SC4 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.



Mechanical Specifications

Size	2.6" x 2.6" x 1" nominal
Environment	-40 °C to +60 °C; 0-95% RH

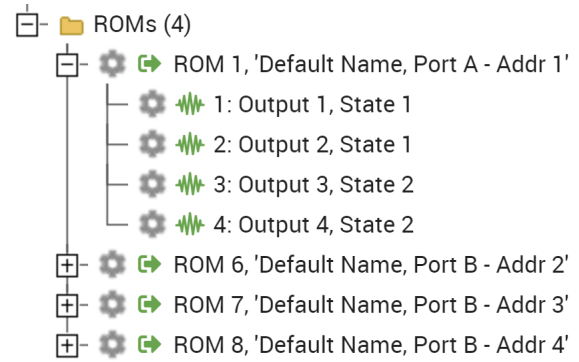
Contact Information

Phone: 215-997-6007
Email: sales@phoenixbroadband.com
www.sens-usa.com

Models

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

ROM Interface



Measurement Specifications

Specification	
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