



The Series 3 Output Board is an interface between any PremiSys controller and up to 16 relays. The board also incorporates two dedicated general-purpose input points that can be used to provide alerts of power loss and enclosure tampering. Relay operation may be initiated by direct operator commands, by time schedules, or by event-based procedures. It offers an improved processor and increased memory, plus features an embedded crypto memory chip that provides a secured layer of encryption to onboard sensitive data.

The multi-device Series 3 Output Board interface panel is dedicated to point control and monitoring, providing 16 general-purpose outputs as Form C relay contacts. The Series 3 Output Board also provides individually configurable parameters that can be set for timing and for fail-safe versus fail-secure modes (normally open/normally closed).

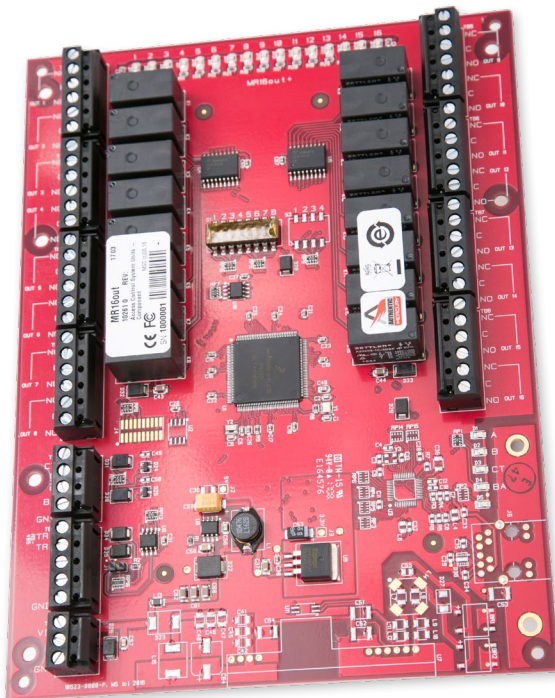
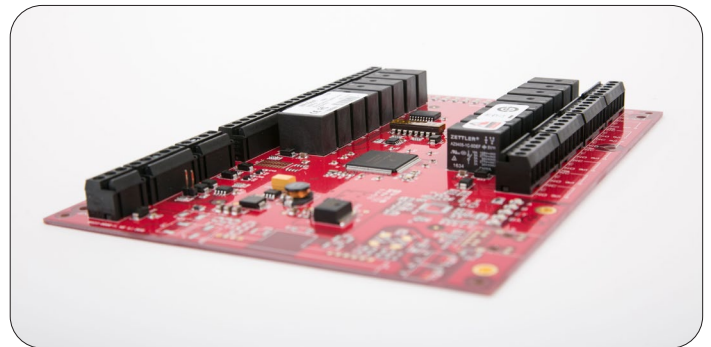
The Series 3 Output Board is configurable to control a variety of outboard devices for general facility control such as door locks, visual/audible alerts, or other relay-actuated devices for access control. Devices can also be activated by the condition of selected system devices, either locally or regionally, without host intervention.

The Series 3 Output Board is the latest generation door interface module for PremiSys intelligent controllers.

Features

- 16 programmable relay outputs; 2 dedicated inputs
- AES 128/256 data encryption
- UL 294 recognized, CE compliant, FCC, RoHS
- Easily integrates lighting, heating/cooling, door or elevator control systems
- Initiates commands by operator, by time schedules, or by events
- Built-in capacity to control and respond to external device commands
- Allows the clustering of up to 16 uniquely monitored devices easily and compactly
- RS-485 host connectivity
- **Open Architecture:** High performance, reliable platform
- **Easy Expansion:** Adds functionality and flexibility to existing access control systems
- **Enhanced Security:** Embedded crypto memory chip provides secured layer of encryption to protect sensitive data
- **Versatile Interoperability:** Same reliable interface and identical footprint as Series 2 Output Board, enabling seamless upgrades for existing installations

Mercury Part # MR16OUT-S3



PremiSys Series 3 Output Board

PREM-BRDOUT-S3

PremiSys Series 3 Output Board

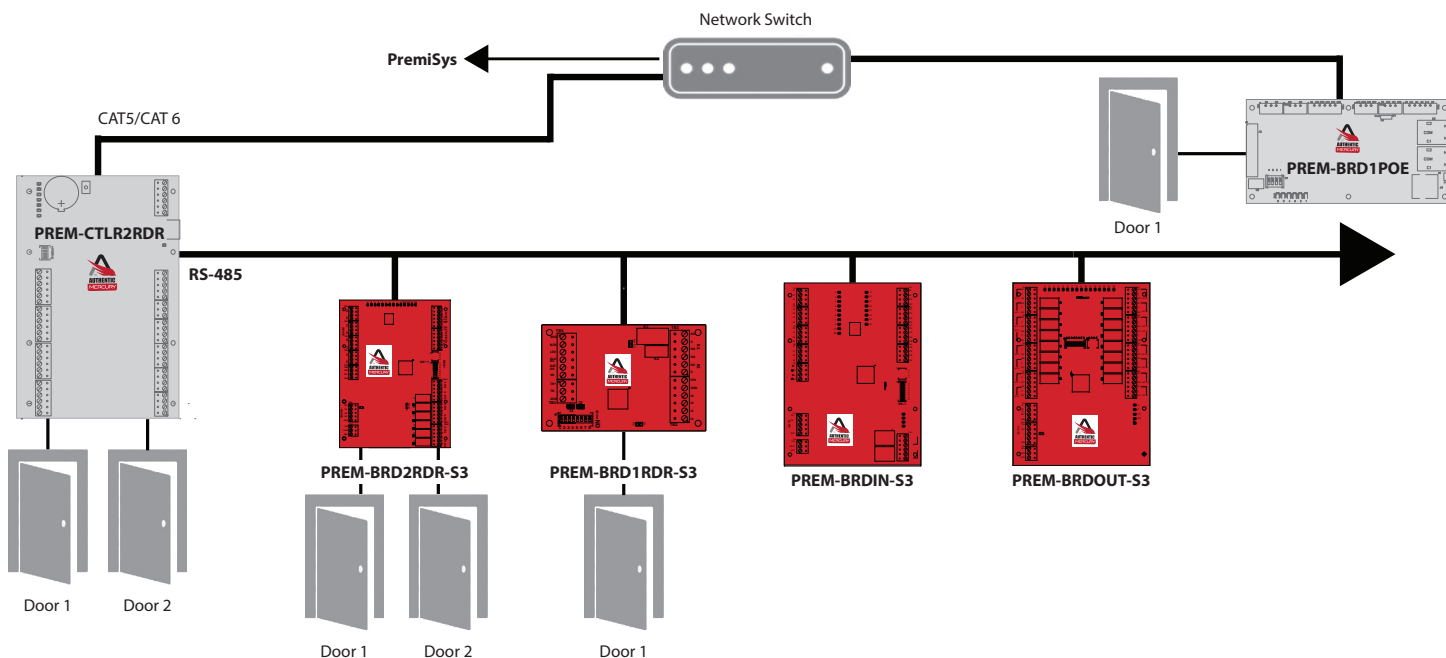
Specifications

Primary Power	12-24 Vdc +/- 10%, 1100mA maximum
Host Communication	RS-485, 2-wire, 4,000' (twisted pair with shield, Belden 9841)
Inputs	2 Dedicated: Tamper and Power Monitor
Output Relays	Sixteen Form-C Relays: Normally open contact (NO): 5A @ 30 Vdc resistive Normally closed contact (NC): 3A @ 30 Vdc resistive
Dimensions	6.0" W x 8.0" L x 1.0" H, (152mm W x 203mm L x 25mm H)
Temperature	0-70 °C operational, -55-85 °C storage
Humidity	5 to 95% RHNC
Standards	UL 294 recognized, CE compliant, RoHS, FCC Part 15 Subpart B

Application Notes

The versatile Series 3 Output Board offers unmatched power to broaden the range of devices and building controls (such as lighting or HVAC) that can be included in system design.

Relay operation can be initiated by direct operator commands, by time schedules, or by event-based procedures. The relays support "On," "Off," "Pulse" and "Repeating Pulse" commands. A pulse can range from .1 seconds to over 18 hours.



The Authentic Mercury open platform delivers quality assurance derived from the most proven and reliable hardware in the industry. Driven by our engineering excellence and technology leadership, Authentic Mercury hardware is designed as an access control platform that easily encompasses emerging technologies, changing industry standards and evolving system environments.

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