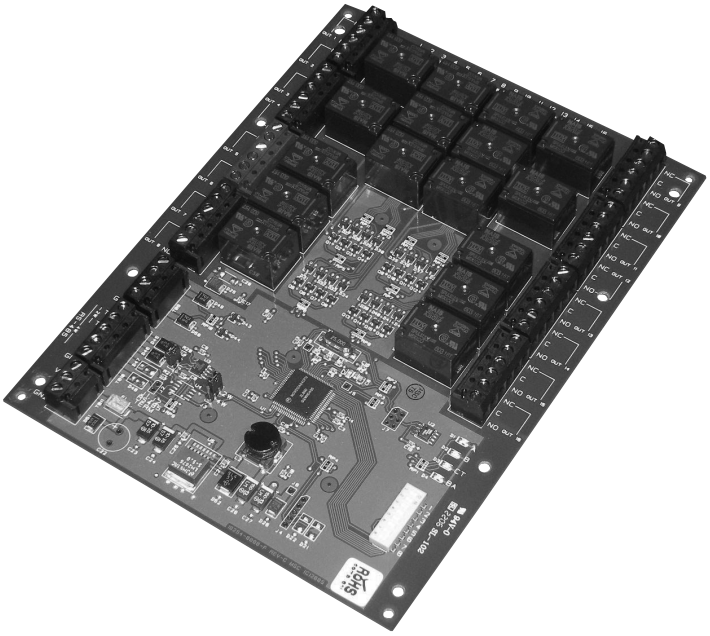
IDenticard™ SYSTEMS

The Output Board is an interface between any IDenticard® PremiSys™ controller and up to 16 relays that can be used to control door locks, visual/audible alerts or other relay-actuated devices for access control. The board also incorporates two dedicated general-purpose input points that can be used to provide alerts of power loss and enclosure tampering. The relays can be configured for fail-safe or fail-secure operation (normally open or normally closed). Relay operation may be initiated by direct operator commands, by time schedules or by event-based procedures.



Features

- **Communications with the controllers or MUXes** are two-wire RS-485.
- **The Output Board can be housed in a sturdy and optionally lockable enclosure** with the controller and/or other components.
- **The Output Board itself includes the following components:**
  - ~ Sixteen Form C, SPDT output relays, configurable for normally open or normally closed operation.
  - ~ Two dedicated input points for monitoring power loss to the board and enclosure tampering
  - ~ A DIP switch for addressing the board and setting other parameters
  - ~ LEDs to indicate board and relay status

PremiSys™ Output Board

PREM-BRDOUT

PremiSys™ Output Board

Specifications

Board Certifications

UL: recognized to UL 294: Access Control System Units - component
CE: EN55022, EN50082-1, IEC801-2, IEC801-3 and IEC801-4

Dimensions and Weight

Board Width	8.0 inches (203 mm)
Board Height	6.0 inches (152 mm)
Board Depth	1.0 inch (25 mm)
Board Weight	14 ounces (400 g) (nominal)

Environmental Specifications

Temperature	32°F to 158°F (0°C to 70°C) operating -67°F to 185°F (-55°C to 85°C) storage
Relative Humidity	0 to 95% RH noncondensing

Power Specifications

CAUTION! This component is intended for use only in a Class 2, low-voltage circuit!

Output Board Input Voltage	12 VDC ± 10%, 1100 mA peak, 850 mA nominal
Relay Rating (each of 16 relays)	5 A at 28 VDC, noninductive load

Wiring Specifications

Power to Output Board	One twisted pair, 18 AWG (0.823 mm^2)
RS-485 Connection to Controller or MUX	Twisted pairs, 22 AWG (0.325 mm^2), 120-ohm impedance with shield, Maximum cable length: 4000 feet (1219 meters) of wire, total copper, including drops
Connection to Relay-Controlled Devices	Use wire and gauge as required by load
Connection to Input-Point Devices	One twisted pair per input, 30 ohms maximum

Communications Specifications

To Controller or MUX	Two-wire RS-485, via TB1, 2400 to 38,400 bps

Access Control Specifications

Inputs – Dedicated	Two unsupervised, dedicated input points for enclosure tamper and power loss
Relays	Sixteen relays configurable for normally open or normally closed operation
Relay Contact Type	Form C
Relay Configuration	Single-pole double-throw (SPDT)

Indicators

Visible	Twenty red, single-color LEDs

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