



OVERVIEW

PRS-2DR STARTER

The PRS Master (Panel Room/Retrofit Style) is a compact, powerful, and cost effective 2-8 door traditional style controller, designed to be easily scalable and make retrofits seamless. The PRS-2DR Starter can control up to 2 doors and be expanded to 8 doors with the addition of 3 PRS-TDMs. Includes 2 PRS-TDM power strips.

COMPATIBLE WITH:

- PRS-TDM
- PRS-TDM-MECH
- PRS-POWER
- PRS Strip
- Wiegand Readers
- Bluetooth Readers

FEATURES & BENEFITS

LCD Display

Diagnostics and IP programming are easy, efficient, and reduce installation costs. Diagnostics and IP programming are also accessible via password/brute force protected web interface.

Power

12-13VDC Input with advanced power distribution. 12VDC 5A total power available for doors and devices.

Battery Backup

Dedicated port for battery backup with built-in charging. Standard 12VDC 7Ah dry cell battery (not included).

Communication

RJ45 Ethernet port 10/100Mbps. RS-485 communication between PRS-Master and TDM expansion panels.

Lock Power

1 wet 12VDC 500mA relay per door, eliminating the need for external lock power supplies. Intelligent power control to reduce power consumption and reduce strain on solenoid based locksets.

Inputs/Outputs

3 dry contact inputs per door, fully configurable and 2 dry contact solid state relays per door. SSR relays can switch up to 24VDC1A. Inputs and Outputs can be assigned to any doors, allowing you to reassign inputs for complex door setups.

SPECIFICATIONS

Enclosure

Lockable and vented steel enclosure, 13.6" (345.44mm) x 3" (76.2mm) x 19.3" (490.22mm)

7 x dual-stage knockouts with 28.5mm/35mm openings (typical compatibility with 25mm and 32mm metric fittings, approx. 3/4" and 1" US trade conduit).

2 x single-stage 50mm knockouts (typical compatibility with 40mm metric fittings, approx. 1-1/2" US trade conduit).

Temperature

Indoor use only. Operating temperature: 0°C to 50°C (32°F to 122°F). Operating humidity: 10% to 90% RH, non-condensing.

Communication Protocol

1 x RJ-45 10/100Mbps Ethernet Port, PoE Standard (15.4W), 100m (328') Max Distance.

2 x RS485 Used to communicate to PRS-TDM (use interconnect strips, included)

Power Supply

1 x 12-13.8VDC input 1A-5.5A depending on attached devices/locks. Power requirements guide available. Generic 12VDC 5A power supply available (PRS-Power). 1 x battery backup terminal. 12VDC 7AH recommended.

Inputs

6 x fully configurable digital inputs. Supports supervised state with 12 x 1K Ohm resistors.

Outputs

2 x Lock Power up to 12V @ 500mA

4 x Solid state relays up to 24V @ 1A. 1 x 12V Out up to 12V @ 300mA.

Readers

2 x Wiegand ports on each PRS-TDM.

Storage

Stores up to 100,000 cardholders. Stores up to 50,000 events, first in first out queue.

Certifications

UL 294/ULC S319-05 listed, FCC.

Miscellaneous

Super capacitor maintains data and time up to 1 month without power. Photo-resistive tamper sensor. Piezo buzzer. Automatic DST switch.

Software

Door controller is programmed and monitored from Odyssey and PROTECTOR.Net server software. Software can be hosted by Hartmann Controls, Security integrator or via local/remote Windows PC/Server.

Warranty

3-year warranty that covers manufacturer defects.