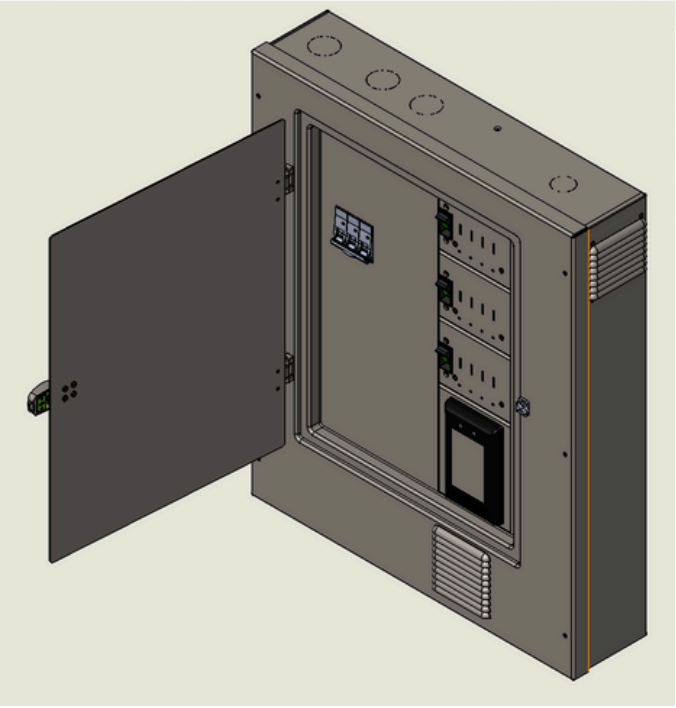
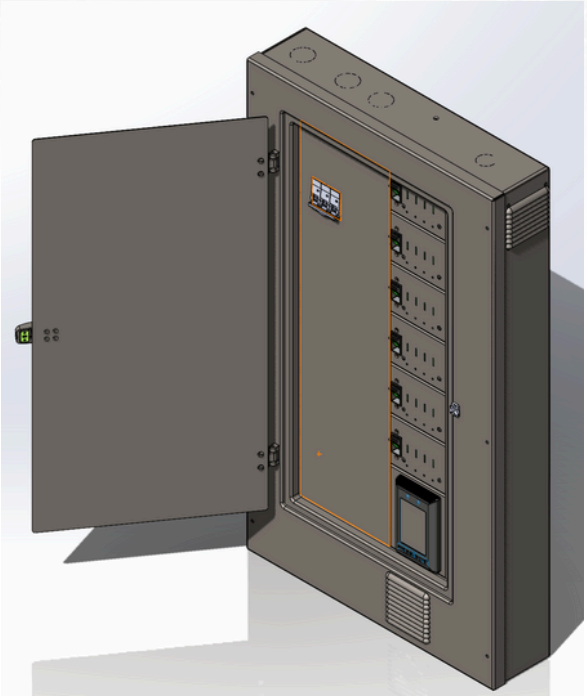
PRESIDOR ™ LED Dimmer & Relay Panels





19 U.S., Canadian, and European Patents issued!

PRESIDOR ™ LED Dimmer & Relay Panels

PRESIDOR ™ Lighting Panels permit a selection of both LED dimmer and relays in the same enclosure for high efficient and cost-effective installations. DMX input with optional DIN rail node allows for wide application in two panel sizes. Small panels are available in either 8 or 12 channels while the large panel supports up to 24 channels. All Panels come with a standard disconnect breaker for safety. Panels can be ordered custom built with the modules of choice pre-installed at the factory in the chosen order. Module choices are quad dimmer, quad relay or dual relay.

Intelligent dimmers are state-of-the-art reverse phase controlled rated at 600Watt and will dim both LED and incandescent loads over a full range of dimming (1-100% DMX). Air-gap relays are triggered ON/OFF at selectable DMX% thresholds from 10-90%. 0-10VDC analog outputs can be programmed as source or sink to permit direct drive of analog ballasts. Sensing protection on all circuits includes overload, short-circuit, temperature, over-voltage, inductive load and more. Both LED indication and real time error reporting back to the command control provide advanced feature reporting normally only found in very expensive dimmers.

JSI MFG

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1923 Highfield Crescent S.E. Calgary, Alberta, Canada T2G 5M1

plasa member

PRESIDOR ™ LED Dimmer & Relay Panels

- Reverse Phase LED dimmers and Air-Gap relays in one panel.
- Dimmers employ MOSFET power outputs for unsurpassed dimming efficiency (>99%).
- Relay modules employ 277VAC rated 50Amp Tungsten "Air-Gap" Relays.
- Modular design permits ease of panel configuration.
- Analog 0-10VDC source or sink on the relay outputs.
- DMX input with optional Ethernet node.
- Available in 8, 12 and 24 channels.
- Intelligent load and error sensing and reporting.
- 24VDC 600mA Isolated output power supply (PWS)
- Fire contact input
- Full color, capacitive touch GUI Command Control.
- Ultra-low standby power for "Green" compliancy.
- ETL certified but built to UL508A Standard.

HOW TO ORDER

Select Panel Size based on the maximum number of modules/channels required:

- PP - 8 = 2 Modules or 8 Channels maximum - Only available in Single Phase
- PP - 12 = 3 Modules or 12 Channels maximum - Only available in Single Phase or three phase
- PP-24 = 6 Modules or 24 Channels maximum - Only available in Single Phase or three phase

1. Select panel size, choices 8, 12 or 24.
2. Select voltage input, choices 120/208 or 120/240
3. Select output/module type in order from top to bottom, choices L, 4, 2 or A.
4. Select optional Ethernet Node.

Panel Size & Capacity	Power Input	Module Type & Order	Options
PP-8	120/208 VAC 3 Phase 5 Wire	Type **L**=4x600 Watt LED Dimmers	Network Node
PP-12	120/240 VAC 1 Phase 4 Wire	Type **4**=4x600 Watt Relays	
PP-24		Type **2**=2x1200 Watt Relays	
		Type **A**=Air flow / Block-off Module	

PP-24 - 120/208 - L442A - N

EXAMPLE:

PP-8	120/240 VAC 1 Phase 4 Wire	MAX: 40 Amp 2x20Amp Breaker
PP-12	120/240 VAC 1 Phase 4 Wire	MAX: 60 Amp 2x30Amp Breaker
PP-12	120/208 VAC 3 Phase 5 Wire	MAX: 60 Amp 3x20Amp Breaker
PP-24	120/208 VAC 3 Phase 5 Wire	MAX: 120 Amp 3x40Amp Breaker

Module Types

Type L = 4 x 600 Watt LED Dimmer Module

Type 4 = 4 x 600 Watt Relay Module

Type 2 = 2 x 1200 Watt Relay Module

Type A = Blank Airflow Module

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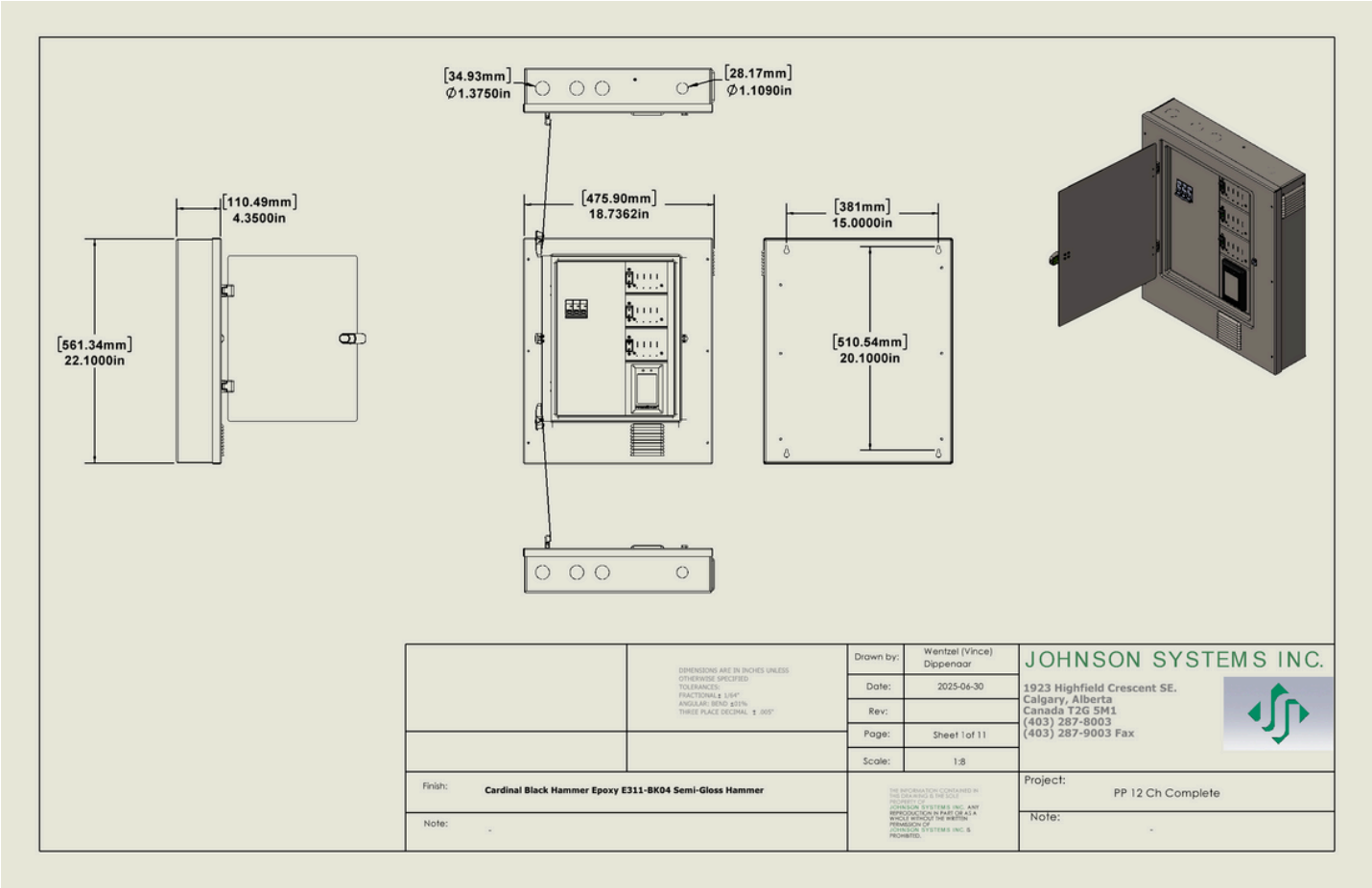
PRESIDOR ™ LED Dimmer & Relay Panels

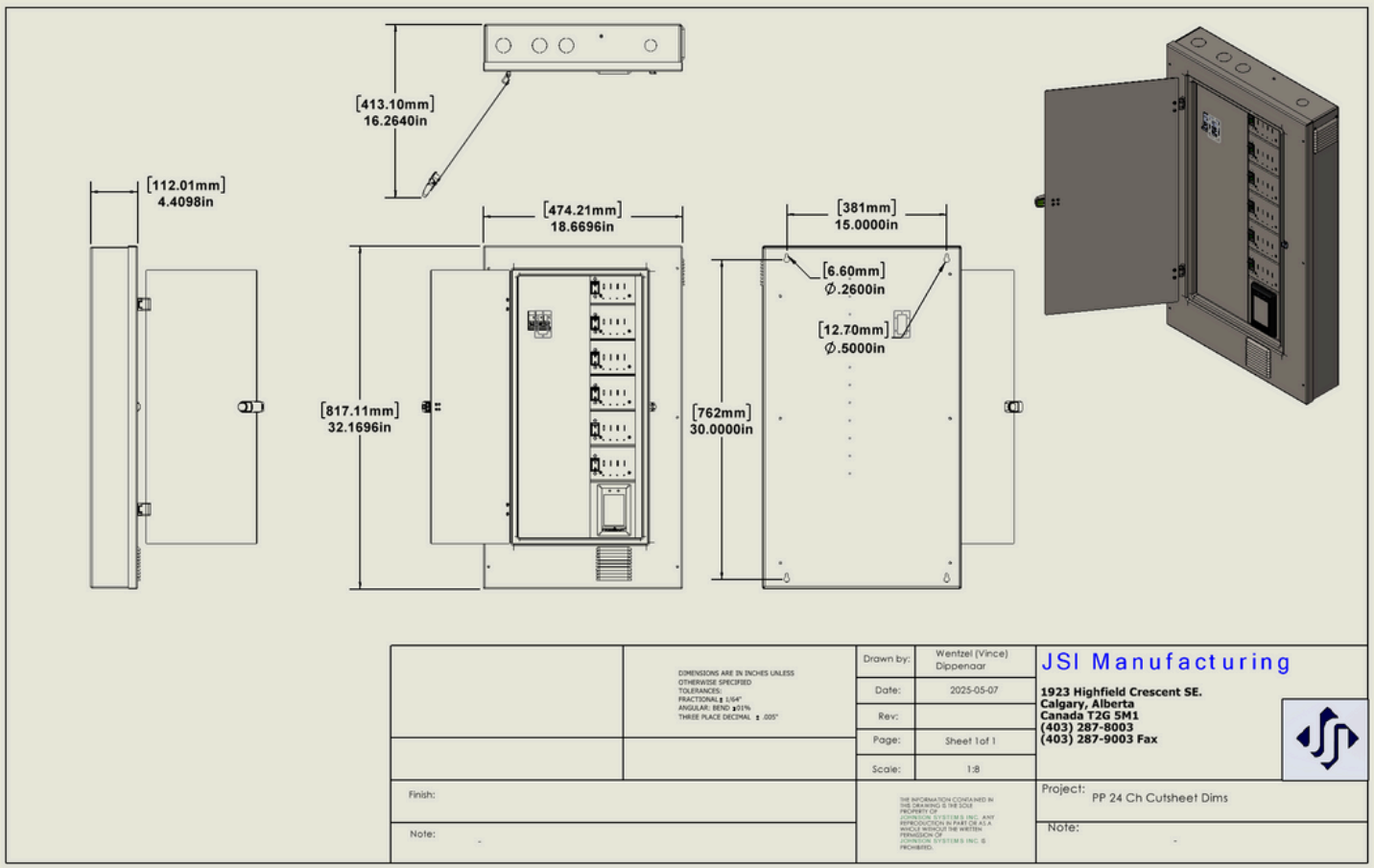
PRESIDOR ™ PP-8 & -12



Base Specifications

- Voltage: 100 - 240 VAC operational range at 50 or 60 Hz
- Power Consumption: 11 Watts (idle) ie. 400mWatt / Channel
- Cabling: RS485 Cat5/5e/6 cable or retrofit into existing Belden#9773 or equivalent, 300m Max (1000').
- Dimensions: 18.7" W x 22.1" H x 4.5" D (476mm x 561mm x 112mm)
- Weight: +-40 lbs (+-18Kg)

PRESIDOR™ PP-24



Base Specifications

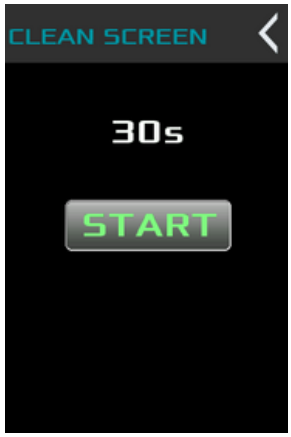
- Voltage: 100 - 240 VAC operational range at 50 or 60 Hz
- Power Consumption: 11 Watts (idle) ie. 400mWatt / Channel
- Cabling: RS485 Cat5/5e/6 cable or retrofit into existing Belden#9773 or equivalent, 300m Max (1000').
- Dimensions: 18.7" W x 32.2" H x 4.5" D (476mm x 817mm x 112mm)
- Weight: +-60 lbs (+-27Kg)

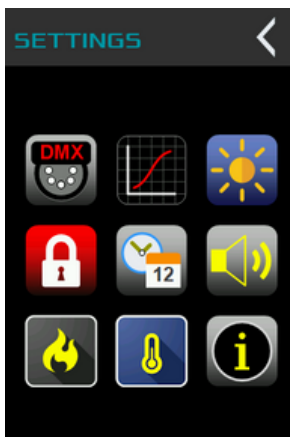
Specifications

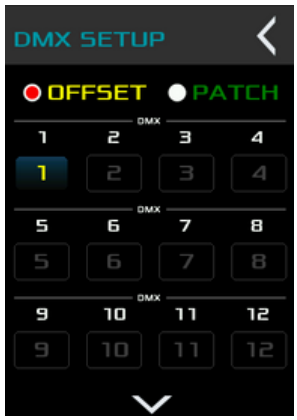
- Available in Single and Three Phase.
- Dim Standard: LED Dimmable and Incandescent.
- Relay for Non-Dim.
- DMX-512 start addressable in single channel (offset) or individually(patch).
- Embedded programming with Binary addressing of each module.
- Intelligent fault/error reporting: Short, inductive, Overload, and more.
- Intelligent feedback on Input Voltage and Frequency in Hz.
- Intelligent feedback per channel on loading capacity in Watts.
- Intelligent feedback on total load for the rack in watts.
- User-adjustable Curve/Trip Set for LED fixtures with different turn-on points.
- Programmable Fire setup.
- Capacitive Touch display for easy setup and configuration.
- Intuitive navigation allows for ease of operation.
- Opto-Isolated DMX IN and Through.
- Fire Aux Input.
- Overheat and overcurrent protection.
- Analog 0-10VDC Source or Sink 100mA relay only.
- State-of-the-art high-speed, low-power "green" processor and ancillary circuitry with a power consumption of > 400mA / Channel.
- 24 VDC for powering External Controls PWS-20P or PWS-70P.
- No Laptop required for setup.
- Optional: BMS or Network node ready.
- Comply with UL508A standard.
- Patent Protected.

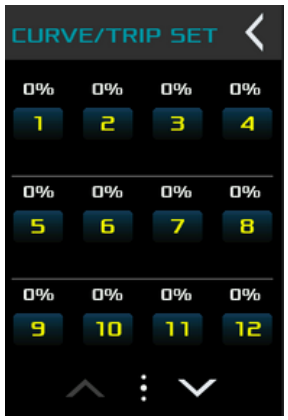
Technical Specifications

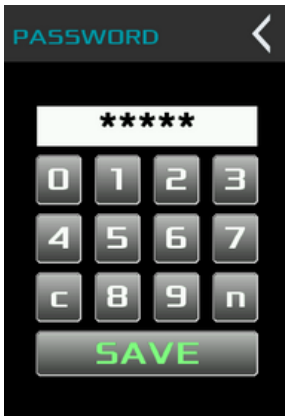
1.0 PRESIDOR ™ - Panel shall be capable of handling Dimmers and Relays in the same enclosure.
1.1 On power-up, the panel will perform a self-test.
1.2 PRESIDOR ™ Panel shall be capable of dimming incandescent, quartz, and LED dimmable fixtures.
1.3 PRESIDOR ™ Panel shall be powered from 120/208 VAC 3-Phase 5-Wire or 120/240 VAC 1-Phase 4-Wire.
1.4 A capacitive touch interface for ease of setup and monitoring. All programming shall be via a user-friendly, intuitive , and self-prompting menu structure. No PC or special software will be required.
1.5 DMX-512 start address shall be addressable in single channel (offset) or individually (patch) on a per circuit/dimmer/channel basis. It shall be possible to address any dimmer to any channel within the entire DMX-512 universe or all dimmers to a single DMX channel.
1.6 Dedicated DMX In and DMX Thru ports shall be supplied internally via 3-Pin break-away connectors.
1.7 An active over-temperature shall illuminate a fan symbol at an internal temperature of 40 °C. In the event that the temperature run away, there will be an automatic shutdown of all the dimmer circuits at 70 °C.
1.8 PRESIDOR ™ Panel shall employ the "system-on-a-chip" advanced digital technology. The control electronics shall be contained on a single PCB capable of driving 4 channels. Advanced state-of-the-art hardware and firmware will ensure >1% accuracy on all dimmer outputs.
1.9 The DMX inputs shall comply with USITT DMX-512-A (ANSI E1.11-2008), the standard protocol for digital data control.
1.10 PRESIDOR ™ Panel shall be capable of reading the system AC Voltage and frequency on the UIB.
1.11 PRESIDOR ™ Panel shall be capable of reading individual channel loading in Watts.
1.12 PRESIDOR ™ Panel shall be capable of reading the complete loading of the panel in Watts.
1.13 PRESIDOR ™ Panel shall be capable of setting the curve/trip set.
1.14 PRESIDOR ™ Panel shall be capable of self-configuring module types by the press of a single button.
1.15 PRESIDOR ™ Panel shall be capable of having a user and Admin password for the protection of configuration data.
1.16 PRESIDOR ™ Panel shall be capable of showing the Firmware version on the UIB.
1.17 PRESIDOR ™ Panel shall be capable of resetting the panel controller via the UIB.
1.18 PRESIDOR ™ Panel shall be capable of selecting channels for the fire alarm to be activated at Full on in the event of a Fire alarm.
1.19 PRESIDOR ™ Panel shall have a lockable hinged lid.
2.0 All printed circuit boards (PCB's) shall be FR4/G10 with a UL 94V-0 Flame Class Rating.
2.1 PRESIDOR ™ Panel shall be ETL listed and comply fully with UL508A and CSA.

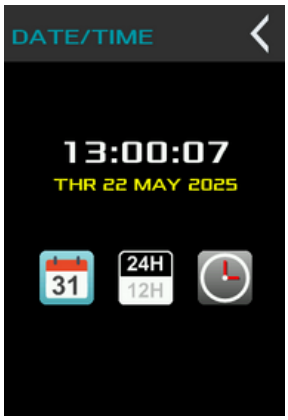


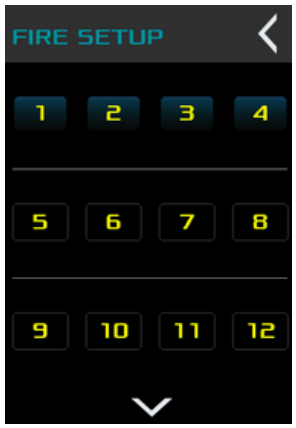


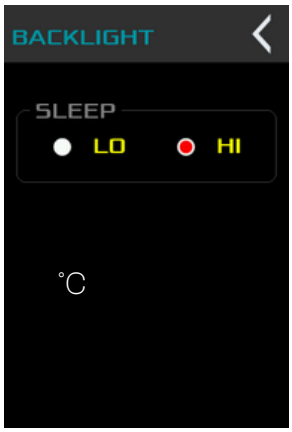












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