SAVANT

Savant® Low Voltage Power Module Enclosure (PWM-PENC3-00)
Quick Reference Guide

Box Contents

(1)   Enclosure (PWM-PENC3-xx)

(1)   Enclosure Cover with Handles (093-3046-xx)

(4)   M4 x 6mm Phillips - Front Cover Screws (039-0383-xx)

(2)   WAGO 6-Position Push Connector (028-0815-xx)

(1)   Product Regulatory Statement (009-1853-xx)

Additional Required Items

The PWM-PENC3 includes an enclosure, cover, and connectors. In addition to these items, at least one Savant power module is required. Supported power modules include:

– SKL-3040-00 - 40 Keypad Power and Control Module

– SHA-PMOD5-00 - 5 Shade Power Module with RS485 Distribution

– SHA-PMOD5G-00 - 5 Shade Power Module With Serial Distribution

For product-specific requirements and deployment steps, refer to the product's documentation on the Savant Community.

Specifications

Environmental	
Temperature	32° to 104° F (0° to 40° C)
Humidity	10% to 90% Relative Humidity (non-condensing)

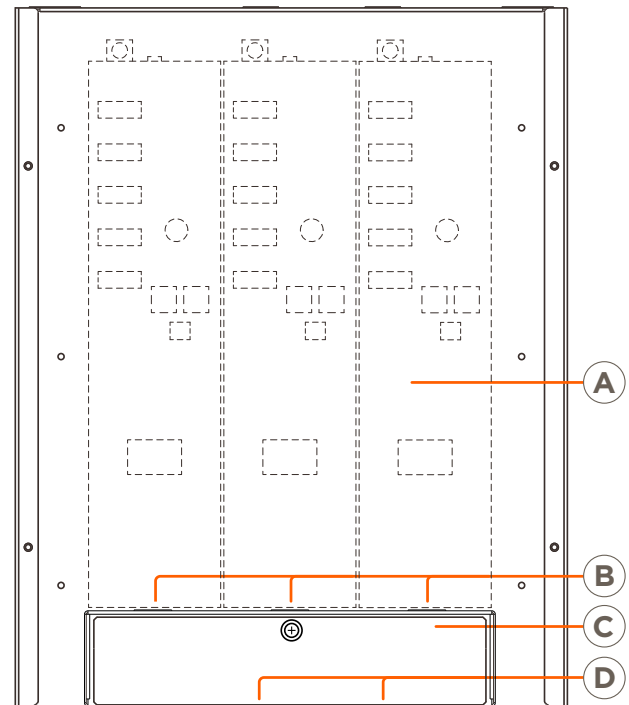| Dimensions and Weights				
	Height	Width	Depth	Weight
Enclosure	18 in (45.72 cm)	14.25 in (36.20 cm)	3.5 in (8.89 cm)	10.5 lbs (4.76 kg)
Enclosure with Cover	19 in (48.26 cm)	15.25 in (38.74 cm)	4.72 in (11.99 cm)	15.5 lbs (7.05 kg)
Shipping	21.0 in (53.34 cm)	17.0 in (43.18 cm)	5.0 in (12.7 cm)	16 lbs (7.26 kg)

Regulatory	
RoHS	Compliant

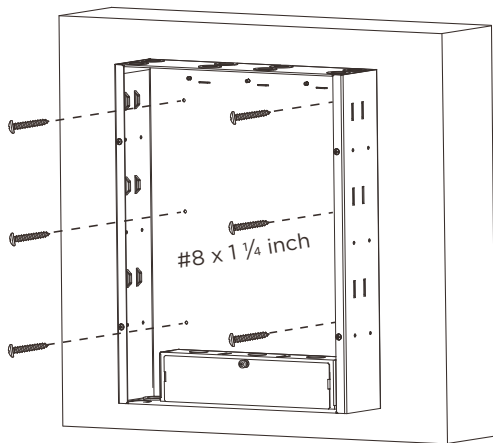| Minimum Supported Release	
Savant OS	da Vinci 8.5

Front View

A	The PWM-PENC3-xx enclosure supports one, two, or three power modules. The modules are not included with the enclosure and need to be purchased separately.
B	Three ½ inch electrical knockouts. Prior to installing the power module(s), remove the knockout associated with the module being installed and snap in the ½ inch nylon bushing supplied with each power module. **NOTE:** Savant recommends installing the ½ inch bushing supplied with each power module to reduce the chances of chafing wires on the metal enclosure.
C	AC Compartment cover. To remove the cover, turn the captive panel screw counterclockwise (CCW) until the screw pops up and out of the threaded insert. Slide cover up and then out away from the enclosure.
D	Electrical knockouts (½ inch) for supplying power from a breaker panel or similar. Remove appropriate knockout(s) and install a cable clamp.

Enclosure Installation

The enclosure can be surface mounted, or in-wall mounted between two studs. These methods are described below.
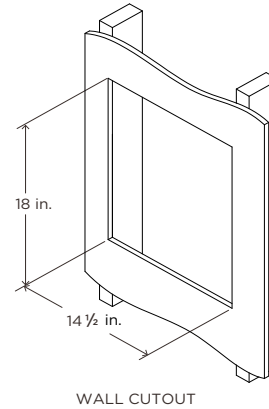
Surface Mount Instructions

1. Loosen the four hold down screws that secure the lid to the enclosure.

2. Push up on the lid and pull away from the enclosure. Set lid aside.

3. Place the panel on wall where it will be mounted and make a mark on the wall for each of the mounting holes in the enclosure. Refer to image below.

4. Drill a starter hole for each screw location. Secure the enclosure to wall using (6) #8 x 1 ¼ inch self tapping screws into a solid sub wall. If the surface the panel is being mounted to is drywall with no solid surface behind it, sturdy wall anchors that can hold a minimum of 50 lbs (22.7 kg) is sufficient.

5. Screw the panel to the wall and ensure it is securely mounted.
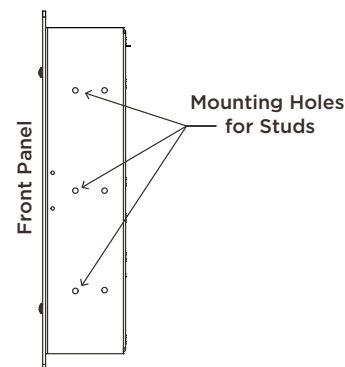

#8 x 1 ¼ inch

In-Wall Mount Instructions

1. Loosen the four hold down screws that secure the lid to the enclosure.

2. Push up on the lid and pull away from the enclosure. Set lid aside.

3. Locate two adjacent studs that are 16-inch on center. If there is drywall installed, cut drywall to the dimensions shown in image.

18 in.

14 ½ in.

WALL CUTOUT

4. Secure the power panel enclosure between the studs using appropriately sized #6 self tapping screws. Screw to studs using the three holes positioned toward the front of the panel. Using the holes closest to front panel allows access to the screws when the power modules are installed. See image below.

Front Panel

Mounting Holes for Studs

Additional Information

For more information, the documents listed below are available on the **Savant Customer Community** and **Savant Store**.

Shades:

- Five Shade Module with RS-485 Distribution QRG (009-1547-xx) (SHA-PMOD5-xx)

- Five Shade Module with Serial Distribution QRG (009-1844-xx) (SHA-PMOD5G-xx)

- Shades Installation and Wiring Guide (009-1532-xx) (SHA-PMOD5 Power Supply, SHA-M24V485-xx Somfy Motors)

- J Geiger Wired Shades Installation Guide (009-1847-xx) (SHA-PMOD5G, Power Supply, SHA-MGEIG200-xx J Geiger Motors - da Vinci 9.1 and higher)

- Shades Provisioning and Programming Guide (009-1525-xx)

ECHO Style Keypad Low Voltage Lighting:

- 40-Keypad Power and Control Module QRG (009-1796-xx) (SKL-3040-00 Power Supply)

- Low-Voltage Keypad Deployment Guide (009-1731-xx)