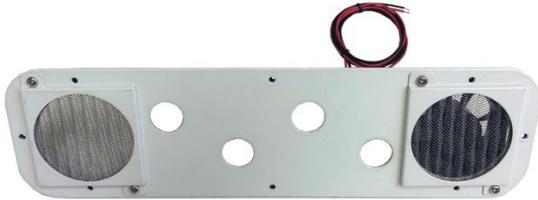




RPST-POWERVENT-24

Power Enclosure

Ventilator



- ENC-ST Enclosures
- RPST Systems
- UPS-ST Systems

Congratulations! on your purchase of the **RPST-POWERVENT-24**. Please take a moment to review this Qwik Install Guide before installation to the Enclosure.



Recommended Tools: Phillips Screwdriver, Flat Blade Screwdriver

Qwik Install

STEP 0: The **RPST-POWERVENT-24** replaces the bottom access plate in the ENC-ST steel enclosure.

STEP 1: Remove the 8 screws from the existing access plate and remove the existing access plate. Remove the cable glands and hole plugs from the existing plate. Remove the bottom left stud which holds the orange backplate inside the enclosure. This stud may interfere with the mounting of the PowerVent.

STEP 2: Assemble cable glands and hole plugs to the **RPST-POWERVENT-24** plate.

STEP 3: Install the **RPST-POWERVENT-24** to the enclosure with the fan on the left side. Tighten 8 screws loosely and then tighten to seal the gasket against the bottom of the enclosure. Don't over tighten or plate will be bent and gasket seal won't work properly.



STEP 4: Route red and black wires to a 12VDC /24VDC power source. Connect red wire to V+ and black wire to V-.

SPECIFICATIONS

<i>Voltage Requirements</i>	12VDC/24VDC
<i>Power Requirements</i>	1W @ 12VDC – when temperature over 40C (104F)
<i>Power Connection</i>	1 meter 22AWG 2 Conductor red/black wire
<i>Fan Air Volume</i>	14 CFM min
<i>Filter Mesh x 2</i>	Stainless Mesh - 0.050" Openings
<i>Cable Ports</i>	20mm holes x 4 for Cable Gland
<i>Mounting</i>	8 Existing Screws in Enclosure Bottom Plate
<i>Operating Temperature</i>	-30C to +65C (-22F to 149F)
<i>Humidity (RH)</i>	5% - 95% (non-condensing)
<i>Dimensions (LxWxH)</i>	330 x 91.4 x 38mm (13" x 3.6" x 1.5")
<i>Weight</i>	430g (15 oz)

TECH CORNER

Additional Information you may find useful

- 1. THERMOSTAT:** The thermostat will turn on the fan when temperature at the thermostat reaches 40C (104F). The fan will turn off when the temperature falls below 30C.
- 2. COOLING:** The fan should bring the interior of the enclosure to ambient temperature within about 5 mins. If the enclosure is seeing strong

solar heating, the fan may need to run longer to compensate for the additional heat from the sun. If there is equipment inside the enclosure generating heat, the fan may run longer to compensate for the internal heating.

3. **FILTER MESH:** The stainless steel filter mesh should be small enough to keep out most insects but will allow dust to enter. If the unit will be used in dusty areas, we recommend adding a dust cover over the existing filter mesh. A square piece of filter material can be cut and fastened over the existing filter mesh using Velcro. The unit should be checked periodically for clogged filters and they should be cleaned if clogged to maintain best performance. The stainless steel filter mesh can be removed with two screws and cleaned with water.

4. **FAN DIRECTION:** The fan is setup to blow air towards the inside of the enclosure. This is done to maintain a slightly higher pressure inside the enclosure when the fan is running. This helps to reduce the humidity inside the enclosure.

5. **WATER INGRESS:** The **RPST-POWERVENT-24** is mounted to the bottom of the enclosure so in normal use water won't be able to make it's way inside the enclosure. If mounted close to the ground or near lawn sprinklers or irrigation sprinklers it's possible for water to enter the enclosure through the filter mesh. Be careful about site preparation when using the **RPST-POWERVENT-24**. Do not use if the bottom of the enclosure will be subjected to spraying water.

NOTES

Limited Warranty

The **RPST-POWERVENT-24** products are supplied with a limited 36 month warranty which covers material and workmanship defects. This warranty does not cover the following:

- Parts requiring replacement due to improper installation, misuse, poor site conditions, faulty power, etc.
- Lightning or weather damage.
- Physical damage to the external & internal parts.
- Products that have been opened, altered, or defaced.
- Water damage for units that were not mounted according to user manual.
- Usage other than in accordance with instructions and the normal intended use.