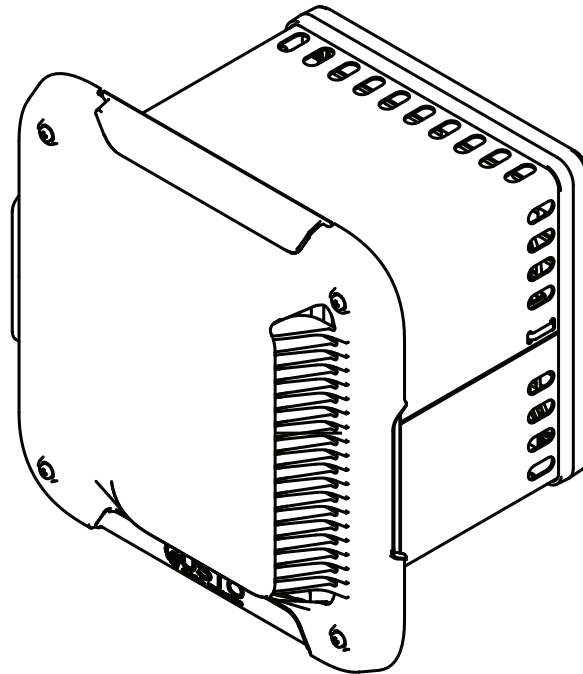


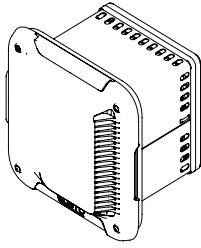


DUST REDUCTION SYSTEM PRO



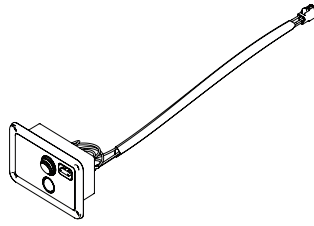
MODEL NO: DRS2

PACKAGING CONTENTS



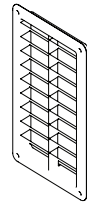
1X

Gusto DRS Pro Unit (Air Filter inside)



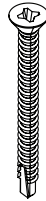
1X

Gusto DRS Pro Switch Panel



1X

Cabinet Vent



20X

ST4.8 x 50 screws



8X

ST4.2 x 22 screws

TECHNICAL DESCRIPTION

The Gusto DRS Pro is designed for use on caravans and motorhomes. Its purpose is to move filtered air into the cabin to achieve a positive pressure differential between the interior and exterior of the vehicle. When the interior of the vehicle is lightly pressurised, dust cannot enter through unfiltered gas vents, door seals or window seals.

The Gusto DRS Pro has built-in drainage features that prevent the internal trapping of water and water entry into the vehicle. Despite this, It is still advised that the device is not powered on during rain as there is a low risk of airborne dust on wet roads.

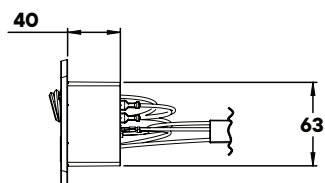
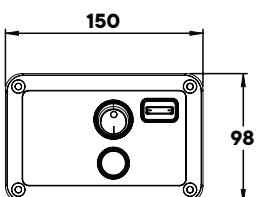
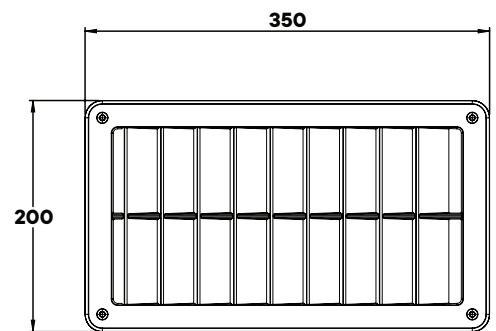
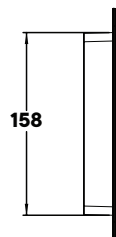
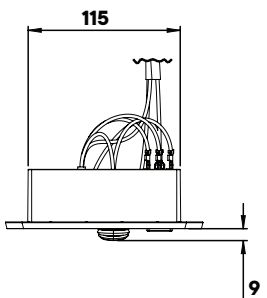
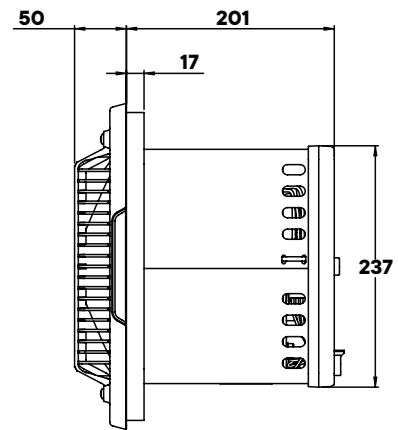
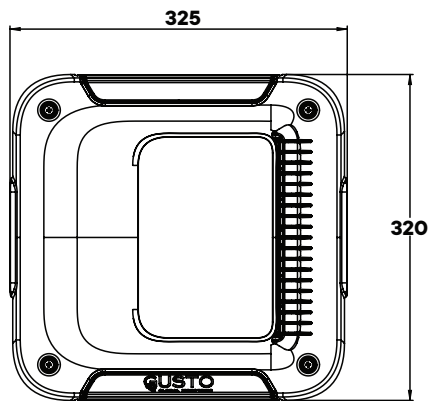
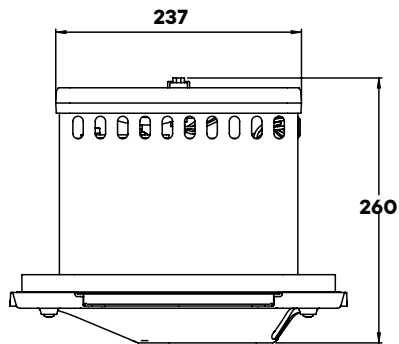
The Gusto DRS Pro is designed for use whilst the vehicle is in motion. Airflow created by forward movement of the vehicle assists in the efficiency and performance of the device by forcing air into the Intake. For this reason it is crucial that the Intake is always oriented toward the front of the vehicle.

GENERAL SAFETY

- DO NOT power on the device with the Intake or Air Filter removed
- DO NOT place any obstructions in the path of airflow
- All electrical connections and wiring required for installation MUST be carried out by a qualified electrician
- DO NOT drive through an automatic car wash with the Gusto DRS Pro fitted
- Prior to installation, please check that the Gusto DRS Pro will not cause your vehicle to exceed the maximum legal width.

PRODUCT DIMENSIONS

Prior to installation, ensure that the device and it's associated components will fit comfortably into the intended mounting location. Ensure that at least 70mm air gap is maintained around the rear of the device to avoid restricting airflow.



INSTALLATION REQUIREMENTS

Failure to comply with the below requirements may impact performance and will void any warranty

The Gusto DRS Pro is designed for installation in caravans and motorhomes. It is required that the device is installed in a fixed position. Once installed, the Air Intake of the device should be accessible from the exterior of the caravan.

- This device **MUST** be installed **ABOVE** the centreline on either the right or left side of the vehicle. It **MUST NOT** be installed anywhere on the roof, front or rear faces.
- This device is **NOT** suitable for use in caravans or motorhomes over 16ft in length (max internal volume 40 m³)
- This device **MUST** be installed in a manner that allows it to be easily servicable, it **MUST NOT** be permanently sealed within a cabinet where it is inaccessible without destruction of the surrounding cabinet.
- A fused **10-13.5V DC** power supply capable of at least **15 Amps** continuous current **MUST** be used to power this device.
- This device has an internal fuse rated to 15A , however. any length of wiring that spans between this device and a power supply (e.g. switch panel/battery) **MUST** be fused (15A) at the start of the wire length.

The manufacturer accepts no liability for any injury or damage to property in the following cases:

- Damage to the product resulting from mechanical influences
- Alterations to the product without express permission from the manufacturer
- Use for purposes other than those described in the operating manual
- Incorrect assembly or connection, including excess voltage or under-rated supply cables
- Incorrect maintenance or use of spare parts other than original spare parts provided by the manufacturer

WARNING!



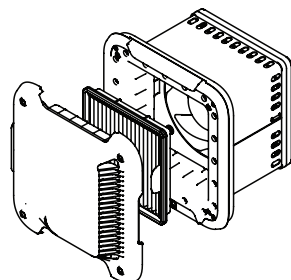
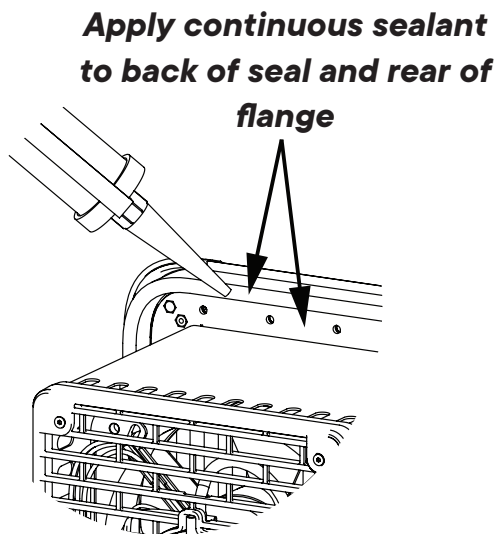
RISK OF FIRE OR ELECTRIC SHOCK

Turn off electrical power before service or installation of device

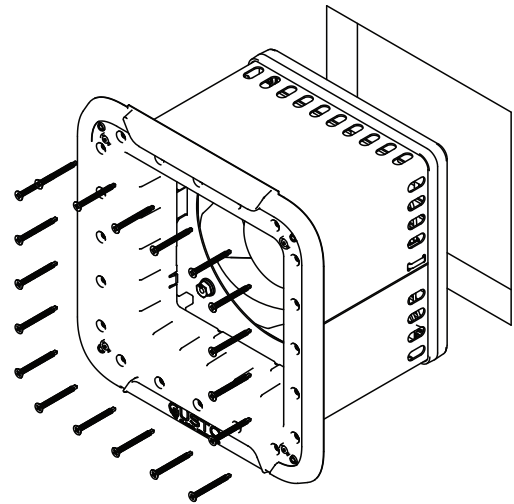
ALL electrical connections and wiring **MUST** be installed by a qualified electrician

Failure to correctly complete the following installation instructions could result in property damage or personal injury

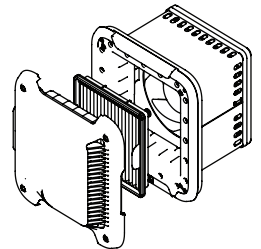
INSTALLATION INSTRUCTIONS

1. Use the DRS unit template on the product packaging to mark and make a cutout **240mm x 240mm** into the caravan exterior wall. To do so, find the centrepoint of the inside wall of the cabinet and drill a small hole through the external wall. On the exterior of the caravan, align the black dot in the centre of the template with the previously drilled hole, this will ensure the cutout will be correctly positioned relative to the inside of the cabinet. Neatly cut and remove the area indicated by template.
2. Repeat Step 1 using the **310mm x 160mm** Cabinet Vent template. The Cabinet Vent should be positioned in a practical location to allow the pressure inside the cabinet that the DRS unit is fitted to, to equalise with the interior of the caravan. It can be oriented horizontally or vertically, underneath the cabinet or on the side.
3. Cut an additional hole in the internal cabinet using the **65mm x 117mm** Switch Panel template. Be very careful to position the Switch Panel cutout so that it is easily accessible for operation of the device. The cutout must also be positioned so that when installed, the wiring protruding from the back of the Switch Panel comfortably reaches the connector on the rear of the DRS unit. To determine the max distance to the switch panel, the unit can be test fitted into the cutout made in step 1.
4. Loosen 4x captive screws retaining Intake Vent and Air Filter into the main unit. Remove Intake Vent and Air Filter in preparation for mounting unit to caravan wall.
5. Apply a continuous bead of *Sikaflex 227* automotive sealant (not provided) to the rear face of the mounting flange and foam seal.
Note: *In applications where the exterior caravan wall is flat and non-corrugated, the foam seal can be removed so that the device sits fully flush with the wall. If the foam seal is removed, ensure additional sealant is applied around the edge of the plastic where it comes into contact with the caravan wall.*

6. Install the device, rear vent first, into the previously cut hole from the exterior of the caravan. The device must be oriented so that the Gusto logo is along the bottom edge. Install all 20pcs of the 50mm long, self tapping screws through the holes in the mounting flange and into the caravan wall. The device may need to be supported from the inside of the cabinet while the screws are being installed. Ensure that ALL holes have a screw in them.



7. Insert the Air Filter into the device ensuring that the pleats are oriented vertically and the pull tabs align horizontally. Insert and fasten the Intake Vent by firmly tightening the 4x captive screws. Tighten the Intake screws in 2 steps; start all 4 threads first, then tighten fully in opposing order to ensure even compression of the filter seal. It is also recommended that silicone based grease(not provided) is applied to the Filter seals prior to installation.



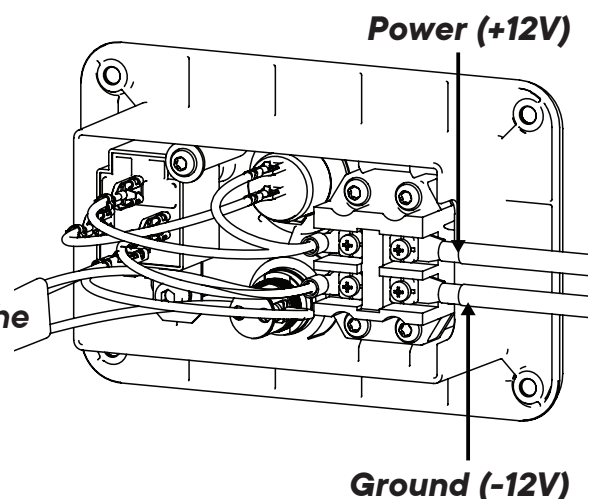
Note: Intake must face towards the front of the caravan.

8. Power and ground leads **no thinner than 10AWG rating** need to be routed neatly and safely from the power supply (Switch board or battery) to the interior of the cabinet. The leads **MUST NOT** exceed 4 metres in length. Use wire with red insulation for power and black insulation for ground.

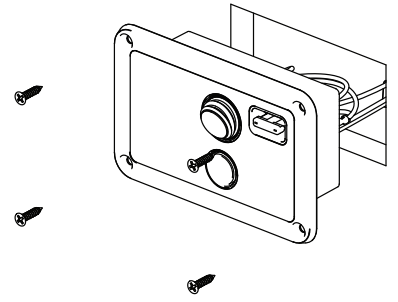
WARNING! The positive 12V lead MUST be fused at the power supply to protect the power leads from becoming a fire hazard in the event of a short circuit. A 15 AMP fuseable link or breaker is required (not provided).

9. Pass the power and ground leads through the previously cut switch panel hole(step 3) and terminate the power leads using crimped ring terminals(not provided). Fasten the power and ground wires into the Terminal Block using the two outer screw terminals. Connect ground to the left position and power to the right (shown right).

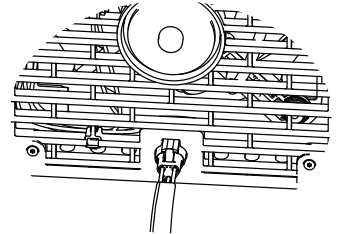
WARNING! Do not solder the ring terminals to the wires, crimp only.



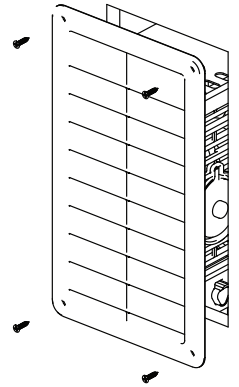
10. Insert the Switch Panel into the hole and fasten in place using 4pcs of the 22mm long self-tapping screws.



11. Connect the cable from the Switch Panel into the connector header on the Rear Panel of the DRS unit. You should hear an audible “Click” when the connector engages correctly.



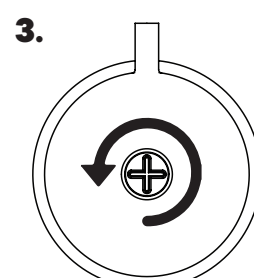
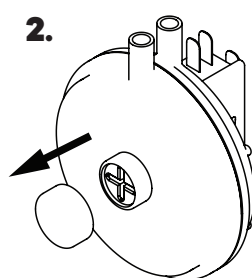
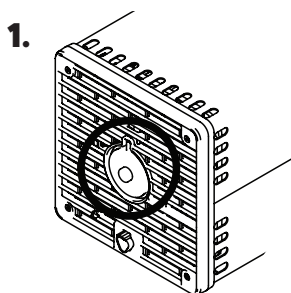
12. Insert the Cabinet Vent into the hole cut in Step 2. Fasten in place using the remaining 4pcs, 22mm long self-tapping screws.



13. **Test the function of the Air Filter Blockage Detector**

With the Intake fully assembled, power the device on and wait 15 seconds. If the red warning light goes out, assembly is complete. If the red warning light remains on, the Pressure Switch requires adjusting (see next step).

- 12.
1. Locate Pressure Switch on the Rear Panel of the device
 2. Remove cap in the centre of the Pressure Switch to expose the adjustment screw
 3. Using a flat or phillips head screw driver, rotate the adjustment screw a 1/4 turn anti-clockwise
 4. Re-install cap, power on device to confirm that light turns off after 15 seconds
 5. If light still remains on, remove cap again and rotate screw a further 1/4 turn



Installation Complete!

INSTRUCTIONS FOR USE

Normal Operation:

1. Switch device on by toggling circular switch down
2. Wait 15 seconds for fan to reach full speed
3. If red Air Filter Blockage Light does not turn off after 15 seconds, clean filter (see below)
4. Leave the device on when driving, turn off as soon as vehicle is parked
5. Ensure to routinely check Filter Blockage Light and ensure that Intake Vent is free from debris and obstructions

To Clean Filter:

1. Remove 4x screws retaining Intake Vent
2. Remove Intake Vent and Filter
3. Liberally spray Filter with a synthetic filter cleaning product and allow to soak for 10 mins
4. Rinse Filter under warm tap water from the clean side out to flush out dust
5. Allow Filter to fully dry before re-installing
6. Re-apply silicone grease to seals when re-installing

Note: When re-assembling the Intake Vent into the device, tighten the intake screws in 2 steps; start all 4 threads first, then tighten fully in opposing order to ensure even compression of the Filter seals.

