

VIGIL Eclipse5 **(BVECASE5 & BVECASE5BATT)**

Installation Details



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VIGIL ECLIPSE5 (BVECASE5)

The VIGIL Eclipse5 is a wall mountable, public address and / or voice evacuation system.

The unit houses the required number of input and output modules, one BVMBC battery charger, Network Interface modules (if required), suitable batteries and a choice of up to four amplifier mainframes.

If more than two amplifier mainframes are installed then an external Battery Box (BVECASE5BATT) is supplied that is designed to be floor mounted, with the BVECASE5 installed directly above it.

PRECAUTIONS AND SAFETY INFORMATION

Environmental Conditions

AC Supply Voltage	230V - 15% +10% RMS 50Hz AC
DC Supply Voltage	18V to 33V (Nominal 24V) DC
Temperature (Operating & Storage)	Nominal 25°C, transitory -5°C to +40°C
Humidity Range / IP Rating	0% - 90% Non-Condensing / IP30

This equipment must not be installed in an area that is subject to a corrosive atmosphere, excessive moisture or may allow water or other liquids to come into contact with the unit or its external connections.

In the close proximity of some radio frequency transmitting devices, the signal to noise ratio of this product may be reduced. If this occurs, re-location of the equipment or the signal cables is recommended.



CAUTION

This product must only be disposed of in accordance with the WEEE directive.



WARNING

Ensure the wall or structure that this product is going to be attached to is strong enough to support the weight of the unit.

The maximum weight of the BVECASE5 (without an external battery box) can be up to 60Kg.



WARNING

The BVECASE5BATT is designed to be floor mounted as the maximum weight of the BVECASE5BATT can be up to 100Kg.

General Safety Precautions



CAUTION

These Safety Precautions apply to assembled systems, however they may not all be applicable to every item within that system. Failure to follow these instructions and guidelines may cause personal injury and/or damage to the equipment.



WARNING

This equipment is intended for continuous operation and as such should be permanently connected to the mains supply. This unit does not contain an external mains switch. For servicing, an all-pole Switch / Circuit Breaker with a separation of 3 mm in each pole should be incorporated in the electrical supply spur feeding the unit, and this must be suitably marked to prevent inadvertent or accidental usage.



WARNING

Always ensure that this equipment is correctly earthed by connection to an AC mains supply with a protective earth connection.



WARNING

Voltages in excess of 35V RMS AC are considered Hazardous and in certain circumstances can be lethal.

This product contains wiring and terminations that are energised to 230V RMS AC mains & 100V RMS AC audio signals.



WARNING

If Functional Testing, Maintenance, or Repair is to be completed with the Mains Power (and/or battery backup) connected then this should only be undertaken by personnel who are fully aware of the danger involved and who have taken adequate precautions and training.

Terminals marked with the "High Voltage" symbol are considered hazardous and the external wiring connected to these terminals requires installation by suitably trained personnel.

General Safety Precautions (cont.)



WARNING

Note that this equipment uses battery backup, and if the Mains Supply is disconnected Hazardous voltages will still be accessible on the terminals marked with the "High Voltage" symbol.



WARNING

The 24V DC batteries used within this system can deliver extremely high currents that can cause fire or burns. Care should be taken to ensure tools or jewellery etc. are prevented from causing a Short Circuit.



WARNING

Batteries shall not be exposed to excessive heat such as sunshine, fire or the like.



WARNING

If battery isolation / disconnection is required then the 0V cable to the chassis should be disconnected first.



WARNING

Danger of explosion if battery is incorrectly replaced. Replace only with the same or equivalent type. Dispose of battery carefully to avoid environmental damage. Do not dispose of battery in a fire.



WARNING

Always replace blown fuses with the correct type and rating. If a fuse continues to blow further investigation is required.



CAUTION: ELECTRO-STATIC SENSITIVE DEVICES

This product contains Electro-static Sensitive Devices. Observe the relevant precautions for the protection of ESDs if internal covers are removed.

BVECASE5 & BVECASE5BATT Mounting Guidelines



WARNING

The maximum weight of the BVECASE5 (without an external battery box) can be up to 60Kg.

Ensure the wall or structure that this product is going to be attached to is strong enough to support the weight of the unit.

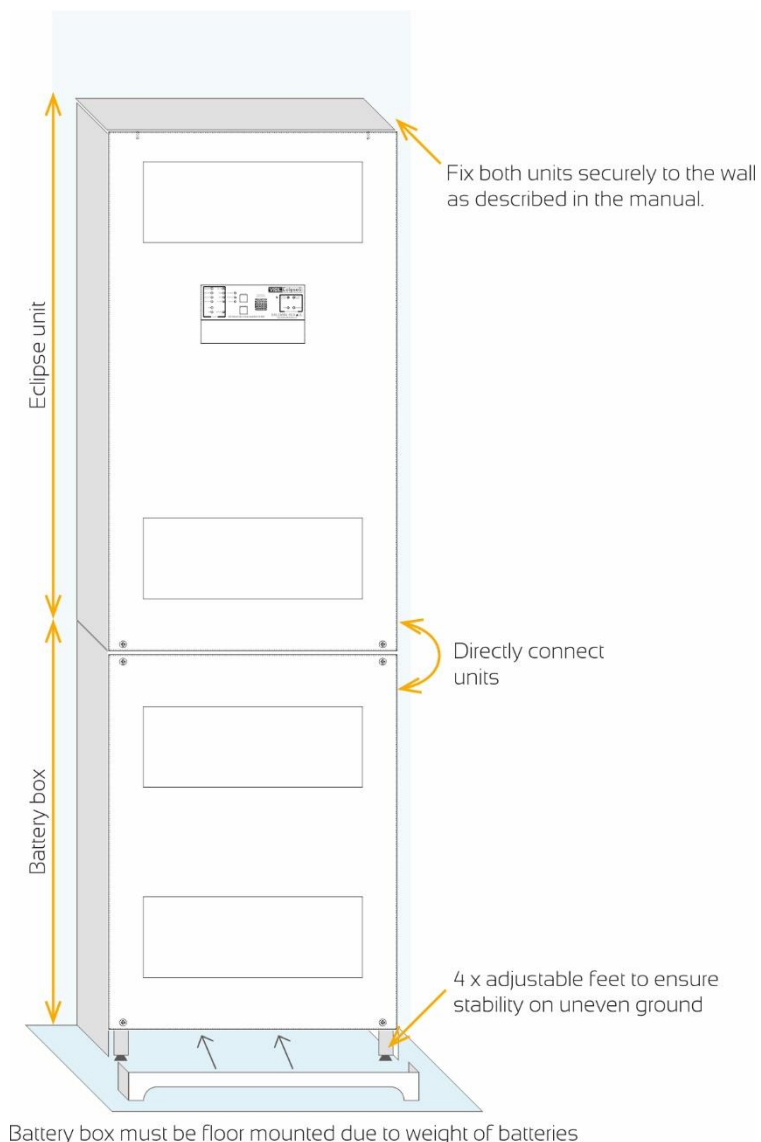


WARNING

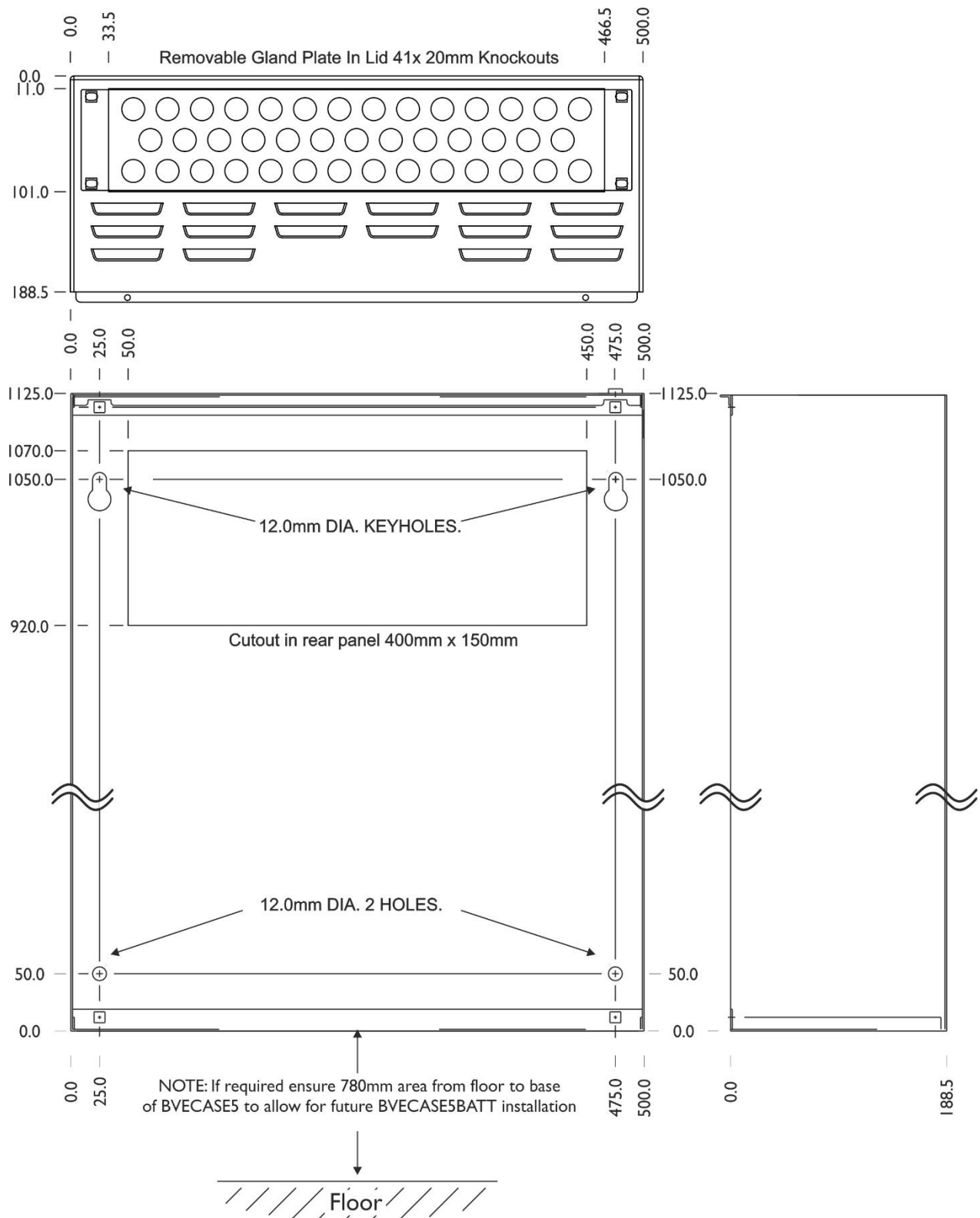
The BVECASE5BATT is designed to be floor mounted as the maximum weight of the BVECASE5BATT can be up to 100Kg.

The BVECASE5 and BVECASE5BATT are designed to be installed together, with the BVECASE5BATT floor mounted and the BVECASE5 installed directly above.

Care should be taken when installing the BVECASE5 to allow 780mm for a BVECASE5BATT to be installed directly underneath to allow for future expansion.



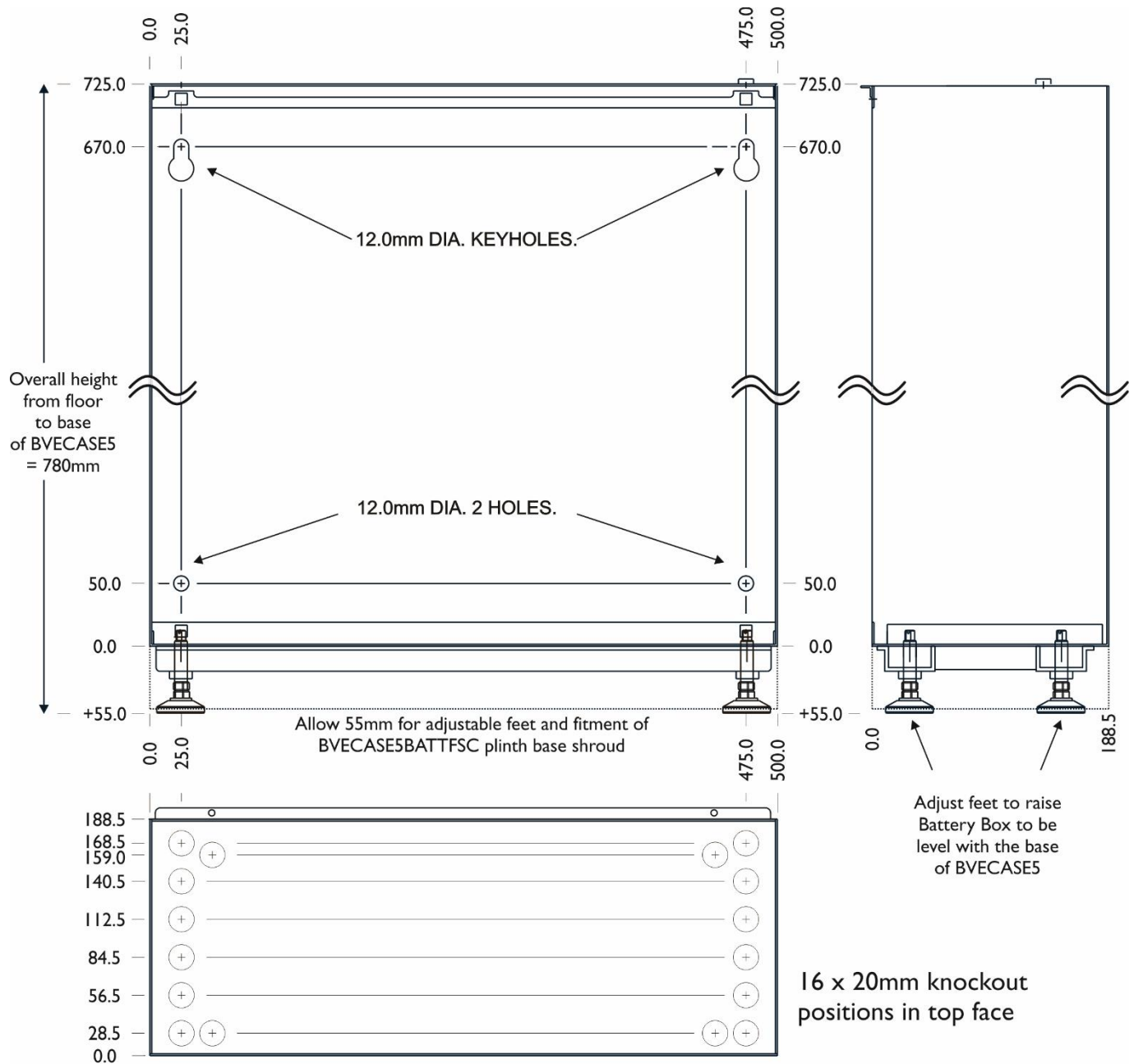
BVECASE5 Mounting Holes and Knockout Positions



Note: The BVECASE5 has been designed to allow cable entry from the top (via knockouts) or via the removable access plate in the rear panel.

There is no requirement for ventilation or space either side of the installed position as all terminations can be accessed and maintenance operations can be performed from the front of the unit.

BVECASE5BATT Mounting Holes



Note: Ensure >55mm is allowed for the adjustable feet and plinth base shroud below the base of the battery box

Note: Ensure the internal battery mounting plinth is fitted to the base of the battery box before installing the batteries.

Note: The Adjustable feet should be set to raise the battery box to the level of the BVECASE5 installed directly above it.

Once in position the optional plinth base shroud (BVECASE5BATTFSC) can be fitted around the bottom edge of the battery box.