



PRODUCT INSTALLATION SPECIFICATIONS

Product Name	Rapid Bracket® – Void Detector Holder (Model - RBVDH)
Issued by	Rapid Bracket Pty Ltd
Reference number	RBSPEC
Version and date of issue	RBSPEC Version 1.08

INTENDED USE

The Patented Rapid Bracket® has been developed to promote the installation and maintenance of ELV smoke detectors in ceiling spaces. The Rapid Bracket® is intended for use with ELV commercial detection systems. Installation of the Rapid Bracket® is possible at any stage of construction and also provides ease for future maintenance of detectors. The Rapid Bracket® can be installed in a range of flat ceiling materials with thicknesses ranging between 9mm and 32mm. The Rapid Bracket® can be extended to a maximum height of 3000mm.

PRODUCT INFORMATION

Product Name/Model	Rapid Bracket® - RBVDH
Type of product	Void Detector Holder/Concealed Space Detector Bracket
Weight (3m version)	1200g
Weight (1m version)	1000g
IP Rating	NA
System compatibility	For use with Extra Low Voltage Smoke Detection systems
Maximum detector weight at full extension of 3000mm	500g
Maximum cable weight at full extension of 3000mm	1000g
Minimum ceiling thickness	9mm
Maximum ceiling thickness	32mm
Minimum ceiling space height (3m version)	1100mm
Maximum ceiling space height (3m version)	3000mm
Minimum ceiling space height (1m version)	550mm
Maximum ceiling space height (1m version)	1050mm
High heat resistance (~200C)	Yes
Flame/Fire Rated	No
RoHS Compliant Components	Yes
For use as housing or enclosure for electronics	No
Outdoor use	No
Indoor use	Yes
DIY (Do it yourself)	No, must be installed by a appropriately qualified person

COMPONENT

Tubes	Anodised Aluminium
Bend piece	Anodised Aluminium
Detector holder	GF PBT
Tube Holder	GF PBT
Assembly (male and female)	GF PBT
Clips x 4	Nylon
Locking pins and clips	GF PBT, Nylon
Faceplate	Polycarbonate UV resistant
Lanyard	POM, Polyester
Assistance Handle (Aluminium version)	Anodised Aluminium

MATERIAL

APPLICATION

The Rapid Bracket® is designed to be used in strict accordance with the installation instructions and shall be installed in conjunction with the requirements of your local construction/building code, as well as any standards and specifications of accompanying equipment or building materials. No part of the Rapid Bracket® is designed to be a housing or enclosure for electronics or electrical equipment and cannot be used for that purpose. All components of the Rapid Bracket must be suitably insulated from exposure to any accompanying electronics or components. The Rapid Bracket® assembly has high thermal properties, but components are not fire rated. This product is designed for use with Extra Low Voltage (ELV) commercial detection systems and not for use with domestic low voltage applications.

The installer is responsible for:

- Determining the compatibility and compliance of any other accompanying products or accessories.
- Determining if the ceiling material is suitable for installation and if ceiling reinforcing or alike should be added for strength/stability.
- The appropriate method of reinforcing or back blocking

Rapid Bracket Pty Ltd takes no responsibility for factors and conditions outside the control of Rapid Bracket Pty Ltd, including but not limited to:

- Faulty accompanying building materials or equipment;
- Damage incurred during transport, installation, maintenance or storage
- Faulty design and/or construction of the premises;
- Maltreatment or Unsafe method of installation or faulty or unskilled application / installation;
- Unsuitable installation method, location or conditions;
- Accompanying product compatibility

CONDITIONS OF USE

Rapid Bracket® must be installed in conjunction with any specifications of accompanying products or materials, or Standards relating to those products or materials, as well as any specific requirements of the relevant Building Classification or any other Construction or Building Code requirement relevant to the region or Country of installation.

The Rapid Bracket® must:

- be stored in a cool, dry environment prior to use;
- be installed vertically
- not be exposed to chemicals
- not be installed in locations that are likely to be affected by weather, wind or strong air flows
- not be exposed to UV radiation, installed in direct sunlight or left exposed to direct sunlight for periods of time
- not be used as an electronic equipment housing or enclosure for electronics or electronic equipment

Rapid Bracket® is designed for detectors up to 500 grams in weight mounted at the Detector Holder.

Rapid Bracket® is designed to support a cable weight of up to 1000 grams.

All cables must be supported with cable ties (or equivalent) at 500mm intervals above the tube holder and a cable tie tied at the horizontal connection point of the detector holder.

Rapid Bracket® must be installed by competent persons.

Recommendations found in this Product Installation Specification must be followed.

Differing accompanying building products and materials, environments, site conditions, product storage, handling and applications may affect installation methods, times and overall finished installed product.

MAINTENANCE INSTRUCTIONS

It is recommended that the Rapid Bracket® is inspected annually for good working order.

DISCLAIMER

The information contained in this document is current as at 22/12/2021 and Rapid Bracket Pty Ltd has used all reasonable endeavours to ensure the accuracy and reliability of the information. Rapid Bracket Pty Ltd assumes no responsibility or liability for any inaccuracies, omissions or errors in this document, nor for any actions taken in reliance on this information. Rapid Bracket Pty Ltd reserves the right to change the information contained in this document without notice. To ensure you have the most up to date information please contact info@rapidbracket.com

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Scan the QR code to view the detailed installation

