

# PRODUCT INSTALLATION SPECIFICATIONS

Product Name	Rapid Bracket – Void Detector Holder (Model - RBVDHFR)
Issued by	DyanmicPro
Reference number	DP-RapidBracket/RBVDHFR/SP/V1.0/180324
Version and date of issue	RBVDHFR-SPEC Version 1.0, 18-03-2024

## INTENDED USE

The Patented Rapid Bracket has been developed to promote the installation and maintenance of smoke detectors in ceiling spaces. The Rapid Bracket is intended for use with smoke detectors. 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 (Model – RBVDHFR)
Type of product	Void Detector Holder/Concealed Space Detector Bracket
Weight (3m version)	1200g (+-5%)
Weight (1m version)	1000g (+-5%)
IP Rating	NA
System compatibility	Determined by user
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
Fire retardant plastics	Yes
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 appropriately qualified persons

## COMPONENT

Tubes	Anodised Aluminium
Bend piece	Anodised Aluminium
Detector holder	GF Nylon
Tube Holder	GF Nylon
Assembly (male and female)	GF Nylon
Clips x 4	Nylon
Locking pins and clips	Nylon
Faceplate	ABS/Polycarbonate
Lanyard	Steel
Assistance Handle	Anodised Aluminium

## MATERIAL

## APPLICATION

The Rapid Bracket is designed to be used in accordance with the installation instructions.

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

The 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.

## 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

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 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, conditions or
- Accompanying product compatibility

## MAINTENANCE INSTRUCTIONS

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

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