

1. Description

The BA494G panel mounting kit secures a 'G' GRP suffix field mounting instrument to an instrument panel. It preserves the ingress and impact protection of the 'G' instrument and provides an IP66 seal between the front and rear of the instrument panel. The BA494G is manufactured from the same compression moulded carbon loaded GRP material as the 'G' enclosure and has 316 stainless steel fittings and silicone gaskets.

2. Certification

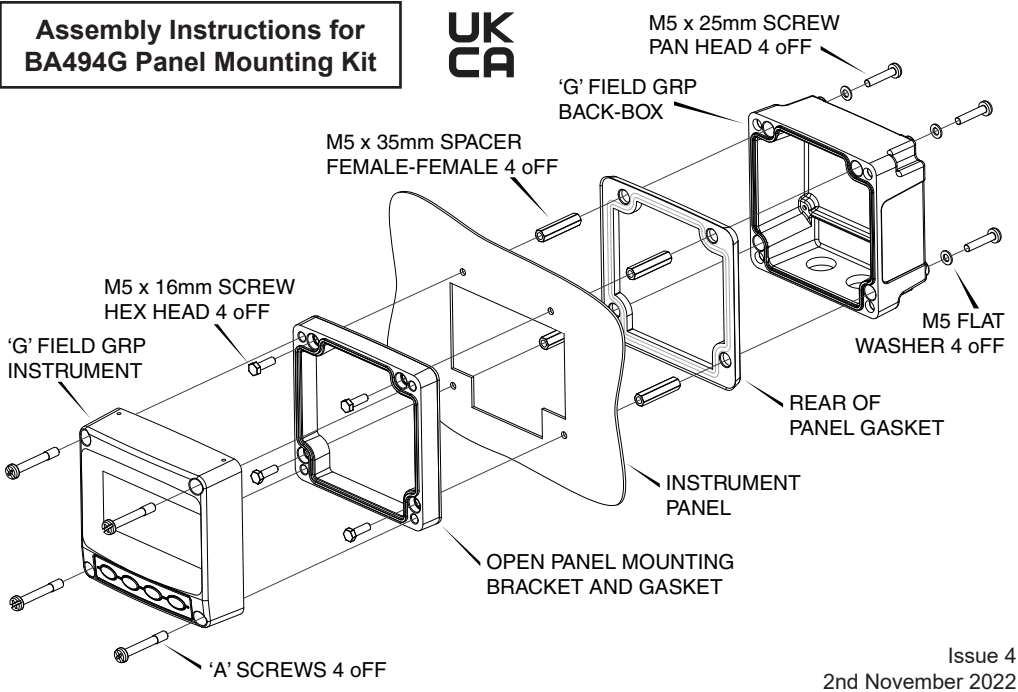
The BA494G mounting kit has IECEx and ATEX certification confirming that it will not invalidate the IECEx or ATEX intrinsic safety certification of any 'G' instrument it is securing in a potentially flammable gas atmosphere.

BA494G certificate numbers  
IECEx ITS 17.0051X  
ITS17ATEX202599X

3. Special conditions for safe use

The BA494G panel mounting kit should not be used to support an intrinsically safe 'G' suffix instrument mounted in a combustible dust atmosphere, or an Ex nA or Ex eb certified 'G' suffix instrument.

Quantity	Description	BEKA part number
1	Open panel mounting bracket with gasket	-
4	M5 x 35mm Spacer female-female	063-036
4	M5 x 25mm Screw pan head	065-076
4	M5 x 16mm Screw hex head	065-077
4	M5 Flat washer	067-028
1	Rear of panel gasket	069-036



4. Installation procedure

Installation of the panel mounting kit and 'G' instrument only requires access to one side of the panel at a time and may therefore be performed by a single technician. After installation access to the instrument terminals is available from both sides of the panel.

1. Remove the front assembly of the BEKA 'G' instrument from the back-box by unscrewing the four M6 'A' screws. Carefully remove the four 'A' screws from the front assembly, remove and discard the spring washers before replacing the screws in the moulding.
2. Place the four M5 hexagonal headed bolts into the four clearance holes with hexagonal shaped recesses in the moulded mounting bracket. With the mounting bracket on the outside of the instrument panel pass the bolts through the holes in the panel and secure with the four M5 x 35mm spacers. These should be tightened to ensure that the captive flat gasket on the mounting bracket is compressed.

At this stage It is possible to complete the installation by fitting the 'G' instrument back-box or the 'G' front assembly first as described below

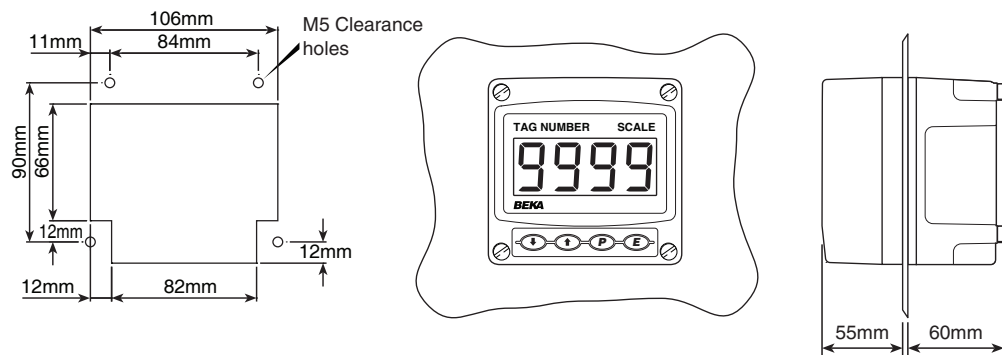
Fitting the 'G' instrument back-box first

- 3a. With the flat side towards the instrument panel slide the moulded rear panel gasket over the four M5 spacers.
- 4a. Fit the required cable entry gland(s) in the 'G' enclosure back-box, feed the required length of cable through the gland(s) and tighten to ensure they seal correctly.
- 5a. Place the 'G' instrument back-box onto the four M5 spacers and secure with the four 25mm pan head screws and washers, which should be tightened to ensure that the rear panel gasket is compressed.
- 6a. Terminate the cables in the removable terminals on the rear of instrument front assembly.
- 7a. Finally fit the 'G' instrument front assembly to the GRP mounting bracket and secure with the four captive 'A' screws.

Fitting the 'G' instrument front assembly first

- 3b. Fit the required cable entry gland(s) in the 'G' enclosure back-box, feed the cable through the gland(s) but do not tighten.
- 4b. Fit the 'G' instrument front assembly to the GRP mounting bracket and secure with the four captive 'A' screws.
- 5b. Terminate the cable in the removable terminals on the rear of instrument front assembly.
- 6b. Ensuring enough slack cable for easy inspection, place the 'G' instrument back-box onto the four M5 spacers and secure with the four 25mm pan head screws which should be tightened to ensure that the rear panel gasket is compressed.
- 7b. Finally tighten the gland(s) to ensure that they seal correctly.

## CUTOUT DIMENSIONS



INSTRUMENT PANEL THICKNESS: 2 to 5mm

**Note:** For panel thickness greater than 5mm the four hexagon headed M5 x 16mm screws should be replaced by longer screws.

**BEKA associates Ltd.**

Old Charlton Road, Hitchin, Hertfordshire, SG5 2DA UK. Tel: (01462) 438301

e-mail: [sales@beka.co.uk](mailto:sales@beka.co.uk) website: [www.beka.co.uk](http://www.beka.co.uk)