# 1. DESCRIPTION

The BA568E is a two input, general purpose panel mounting Counter which will function with a wide variety of sensors.

This abbreviated instruction sheet is intended to assist with installation, a comprehensive instruction manual describing system design and configuration may be downloaded from the BEKA website or may be requested from the BEKA sales office.

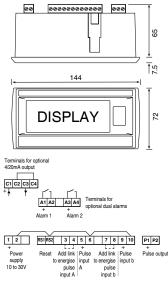
## 2. INSTALLATION

The BA568E Counter has IP66 front of panel protection but it should be shielded from direct sunlight and severe weather conditions. The rear of the instrument has IP20 protection.

## Cut-out dimensions

Recommended for all installations. Mandatory to achieve IP66 seal between instrument and panel.

136 +0.5/-0.0 x 66.2 +0.5/-0.0



Support panel wiring to prevent vibration damage

Fig 1 Cut-out dimensions and terminals

Abbreviated instructions for

BA568E two input general purpose panel mounting Counter



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Align foot and body by turning screw anticlockwise

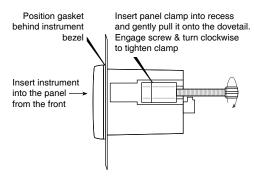


Fig 2 Installation procedure

## EMC

For specified immunity all wiring should be in screened twisted pairs with screens earthed at one point.

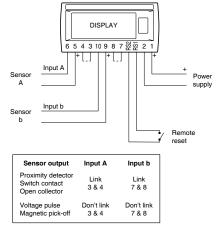
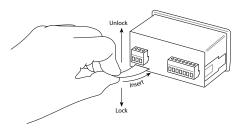


Fig 3 Typical system

## Scale card

The Counter's units of measurement are shown on a printed scale card visible through a window at the right hand side of the display. The scale card is mounted on a flexible strip that is inserted into a slot at the rear of the instrument as shown below



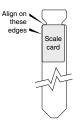
ig 4 Inserting flexible strip carrying scale card into slot at the rear of Counter.

Thus the scale card can easily be changed without removing the Counter from the panel or opening the instrument enclosure.

New Counters are supplied with a printed scale card showing the requested units of measurement, if this information is not supplied when the counter is ordered a blank card will be fitted.

A pack of self-adhesive scale cards printed with common units of measurement is available as an accessory from BEKA associates. Custom printed scale cards can also be supplied.

To change a scale card, unclip the protruding end of the flexible strip by gently pushing it upwards and pulling it out of the enclosure. Peel the existing scale card from the flexible strip and replace it with a new printed card, which should be aligned as shown below. Do not fit a new scale card on top of an existing card.



Align the self-adhesive printed scale card onto the flexible strip and insert the strip into the indicator as shown.

Fig 5 Fitting scale card to flexible strip

#### 3. OPERATION

The Counter is controlled by four front panel push buttons. When in the operating mode they have the following functions:

- P + E Access to configuration menu
- + ▼ Grand total shows L<sub>o</sub> followed by least significant 8 digits of the 16 digit grand total.
- Franchistal shows H followed by the most significant 8 digits of the 16 digit grand total.

If Local Grand Total Reset £Lr £ŁeŁ in the instrument configuration menu has been activated, operating the ₤ and ₤ buttons simultaneously for ten seconds will result in £Lr.no being displayed with the no flashing. Operating the ₤ or ▼ button will change the display to £Lr.9£5, the ₤ button will then reset the grand total to zero which will be confirmed by a brief display of ££ £Lr.d.

- P + ▼ Shows in succession, firmware version number, instrument function [aunk and any output accessories that are fitted:
  - R Dual Alarm Outputs
  - E 4/20mA output.
- When optional alarms are fitted provides direct access to the alarm setpoints if RSEP (access setpoints) has been enabled in the configuration menu.

The BA568E is CE marked to show compliance with the EMC Directive 2014/30/EU. It is also UKCA marked to show compliance with UK Electromagnetic Compatibility Regulations UKSI 2016:1091 (as amended)

