This abbreviated instruction sheet is intended to assist with nstallation, a comprehensive instruction manual describin ebsite or may be requested from the BEKA sales office.

## 2. INSTALLATION

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

The BA 568 E 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)信 seal between instrument and panel.
$136+0.5 /-0.0 \times 66.2+0.5 /-0.0$
 $\stackrel{1}{10}$


## Temminas foroptional $4220 \mathrm{~m} A$ output



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

## 88888888 <br> aser minl

Issue 3
20th May 2023
BEKA associates Ltd. Old Chartiton Rd, Hitchin, Hertfordshire,


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.


| Sensor output | Input A | Input b |
| :---: | :---: | :---: |
| Proximity detector |  |  |
| Swith contact Open collector | Link $3 \& 4$ | $7 \& 8$ |
| Voltage pulse | Don't link | Don't link |

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 card visible through a window at the right hand side of the display slot at the rear of the instrument as shown below


Fig 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 equested units of measurement, if this information is not supplied when the counter is ordered a blank card will be fitted
pack of self-adhesive scale cards printed with common units BEKA associates custom printed scale cards can also be supplied.
o change a scale card, unclip the protruding end of the flexible strip by gently pushing it upwards and puling it out of the enclosure. Peel the existing scale card from the flexible strip and replace it with 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 + Access to configuration menu
E + Grand total - shows Lo followed by least significant 8 digits of the 16 digit grand total.

E + Grand total - shows H , followed by the most significant 8 digits of the 16 digit grand total.
If Local Grand Total Reset [Lr ©tot in the instrument configuration menu has been activated, operating the $\Xi$ and $\triangle$ buttons simultaneously for ten seconds wil result in CLr.no being displayed with the no flashing Operating the $\Delta$ or $\nabla$ button will change the display to [Lr. SE5, the E button will then reset the grand total to zero which will be confirmed by a brief display of ct ctrd.
$\nabla+\Delta$ If the Local Total Reset function [Lr tot in the instrument configuration menu is enabled, operatin $\nabla$ and $\Delta$ buttons simultaneously for more tha 3 seconds allows total A, total b or both totals and any stored pulses in the pulse output to be reset to zero by operating the push button
$\square+\square$ Shows in succession, firmware version number instrument function [ount and any output accessories that are fitted:

Output

- $\quad 4 / 20 \mathrm{~mA}$ output.
$\oplus+\Delta$ When optional alarms are fitted provides direct acces to the alarm setpoints if his (access setpoints) ha been enabled in the configuration menu


