

## Description

Field and panel mounting intrinsically safe externally powered digital Rate Totalisers with one or two inputs.

Model	Mounting	Number of inputs	Digits	Enclosure material	Panel cut-out mm
BA334G	Field mounting	1	8 x 18mm high &	GRP IP66	N/A
BA384G		2	6 x 12mm high		
BA337E	Panel mounting	1	8 x 9mm high & 6 x 6mm high	Noryl IP66 front	90.0+0.5/-0 x 43.5+0.5/-0
BA337E-SS				316-Stainless Steel IP66 front	
BA338E	Panel mounting	1	8 x 18mm high & 6 x 12mm high	Noryl IP66 front	136+0.5/-0 x 66.2+0.5/-0
BA388E		2			

## Intrinsic safety

IECEx, ATEX and UKEX gas and dust certification.

### Code:

II 1 G	Ex ia IIC T5 Ga	-40°C ≤ Ta ≤ +70°C	BA337E, BA338E & BA388E
II 1 G	Ex ia IIC T5 Ga	-40°C ≤ Ta ≤ +60°C	BA337E-SS
II 2 D	Ex ia IIIC T80°C Db	-40°C ≤ Ta ≤ +60°C	
II 1 G	Ex ia IIC T5 Ga	-40°C ≤ Ta ≤ +70°C	BA334G & BA384G
II 2 D	Ex ia IIIC T80°C Db	-40°C ≤ Ta ≤ +60°C	

### Parameters:

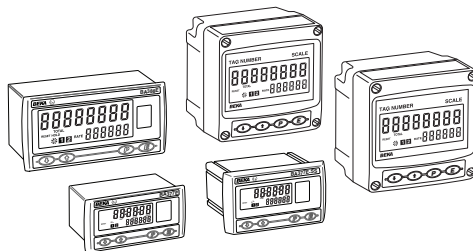
See intrinsic safety certificate or full instruction manual

## Special conditions for safe use

All models	When installed in Zone 0, installation shall be such that an ignition due to impact between aluminium label and iron/steel is excluded.
BA337E-SS	For installation in a Ex e, Ex p or Ex t panel enclosure, all connections must be supplied via appropriate rated and approved equipment meeting input / output safety parameters of external connections.  When used in a Group IIIC conductive dust environments instrument terminals shall have at least IP6X protection in accordance with IEC 60079-0.  When installed purely as intrinsic safety equipment the ambient temperature range is -40°C ≤ Ta ≤ +70°C.
BA334G & BA384G	Cable entry devices and stoppers suitable for the intended use, location and protection concept shall be fitted to maintain the ingress protection of the enclosure.

**Essential Health & Safety Requirements for BA334G, BA384G, BA337E, BA337E-SS, BA338E & BA388E externally powered Rate Totalisers**

UK



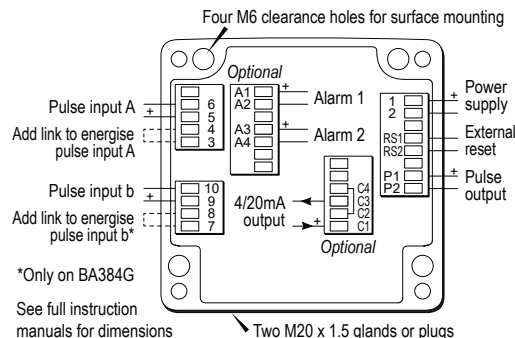
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web: www.beka.co.uk



Manuals, certificates and datasheets can be downloaded from <https://www.beka.co.uk/eprt>

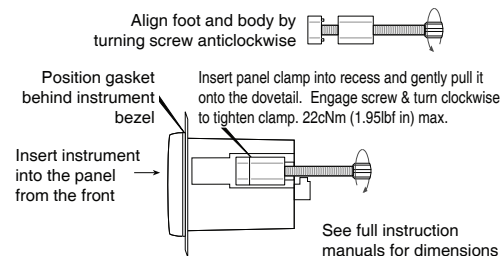
## Installation & connections: Field mounting



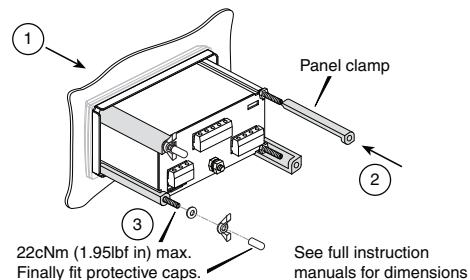
\*Only on BA384G

See full instruction manuals for dimensions

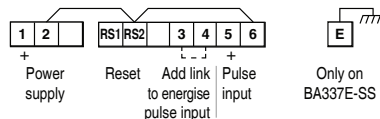
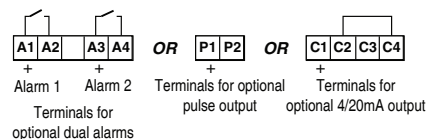
## Installation: Panel mounting models BA337E, BA338E & BA388E



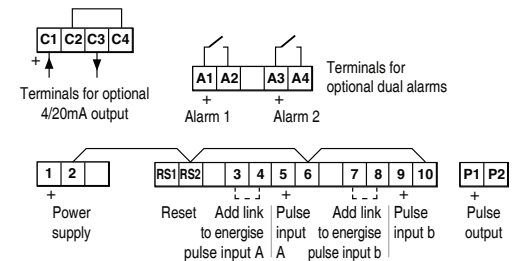
## Installation: Panel mounting model BA337E-SS



## Connections: Panel mounting models BA337E, BA337E-SS & BA388E



## Connections: Panel mounting model BA388E



## Combined EU Declaration of Conformity

This declaration of conformity for electrical apparatus is issued under the sole responsibility of the manufacturer.

### Description

BA334G and BA384G are field mounting and the BA337E, BA337E-SS, BA338E and BA388E are panel mounting single and dual input externally powered rate totalisers. The BA337E-SS has a stainless steel enclosure with an impact resistant IP66 front.

### Manufactured by

BEKA associates Ltd, Old Charlton Road, Hitchin, Herts. UK. SG5 2DA

### Council Directives this equipment complies with:

#### 2014/34/EU (ATEX Directive)

Relating to equipment and protective systems intended for use in potentially explosive atmospheres.

#### Provisions of the Directive fulfilled by the equipment:

ITS16ATEX28408X issue 3 dated 25/11/2016

Group II Category 1G

Ex ia IIC T5 Ga -40°C ≤ Ta ≤ +70°C. <sup>(1)</sup>

Group II Category 2D

Ex ia IIIC T80°C Db -40°C ≤ Ta ≤ +60°C. <sup>(2)</sup>

<sup>(1)</sup> When a BA337E-SS installation relies on the certified impact and ingress protection provided by the front of the instrument to maintain certification of the panel enclosure in which the instrument is mounted -40°C ≤ Ta ≤ +60°C.

<sup>(2)</sup> Not BA337E, BA338E & BA388E.

### Notified Body for EU-Type Examination and production

INTERTEK ITALIA SPA 2575  
Via Guido Miglioli, 2/A 20063  
Cernusco sul Naviglio (MI) Italy.

### Compliant with standards:

EN 60079-0:2012 + A11 + A12:2013; EN 60079-11:2012

Compliant with EN IEC 60079-0:2018

### 2014/30/EU (EMC Directive)

2011/65/EU (RoHS Directive) relating to hazardous substances in electronic and electrical equipment.

2015/863/EU additional substances added by amending Annex II to Directive 2011/65/EU as regards the list of restricted substances.

### CE mark first affixed in 2016

Authorised Signatory:

Issue 1

9th Jan 2024

*Olivier Lebreton*

Olivier Lebreton CEng MIET  
Managing Director