Description

Field and panel mounting intrinsically safe, 4/20mA loop-powered digital indicators which display the input current in engineering units.

Model	Mounting	Digits	Enclosure material	Panel cut-out mm	
BA304G		4 x 34mm	GRP		
BA304G-SS	Field	high	316 SS		
BA324G	mounting	5 x 29mm high + bargraph	GRP	N/A	
BA324G-SS			316 SS		
BA307E	Panel mounting	4 x 15mm high		90.0 +0.5/-0 x 43.5 +0.5/-0	
BA327E	96 x 48mm	5 x 12.7mm high + bargraph	Noryl		
BA308E	Panel mounting	4 x 34mm high		136 +0.5/-0	
BA328E	144 x 72mm	5 x 29mm high + bargraph		+0.5/-0 x 66.2 +0.5/-0	
BA307E-SS	Panel mounting	4 x 15mm high		90.0 +0.5/-0 x 43.5 +0.5/-0	
BA327E-SS	105 x 60mm	5 x 12.7mm high + bargraph	316 SS		

Intrinsic IECEx, ATEX and UKCA gas and dust certification. Other approvals, such as safetv cFM and cETL are available, please refer to full instruction manuals for details.

Ex ia IIC T5 Ga

Code: II 1 G

Ex ia IIIC T80°C Db IP66 field mounting II 2 D Ex ia IIIC T80°C Db IP20 panel mounting $-40^{\circ}C \le Ta \le +70^{\circ}C$

Parameters:

Circuit	Input parameters			Output
	Ui	li	Pi	parameters
4/20mA input with or without loop powered backlight Optional alarms	30V	200mA	0.84W	Comply with requirements for Simple
Optional backlight separately powered				Apparatus

Special conditions for safe use - see certificates

BA304G BA324G	When installed in Zone 0, installation shall be such that an ignition due to impact between aluminium label and iron/steel is excluded.
BA307E BA308E BA327E BA328E	When used in a Group IIIC conductive dust environments instrument terminals shall have at least IP6X protection. To avoid an electrostatic charge instrument enclosure should only be cleaned with a damp cloth.
BA307E-SS BA327E-SS	When used in a Group IIIC conductive dust environments instrument terminals shall have at least IP6X protection. When installed in an Ex ta, tb px, py, pz or e enclosure, the indicator will not invalidate the enclosure certification, but the indicator must be powered by a suitably rated Zener barrier or galvanic isolator.

Repair

No attempt should be made to repair a faulty indicator, it should be returned to BEKA associates or to your local agent.

Disposal

Indicators should be correctly disposed of, not in household rubbish.

> Essential Health & Safety Requirements for loop powered 4/20mA indicators BA304G, BA304G-SS, BA324G, BA324G-SS, BA307E, BA307E-SS, BA327E, BA327E-SS, BA308E & BA328E

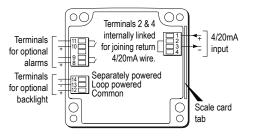
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Issue 1 28th February 2023

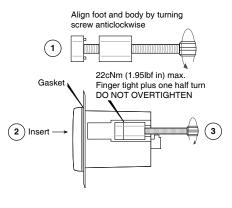
BEKA associates Ltd. Old Charlton Rd. Hitchin. Hertfordshire. SG5 2DA, UK Tel: +44(0)1462 438301 e-mail: sales@beka.co.uk web: www.beka.co.uk

Installation & connections: Field mounting models BA304G, BA304G-SS, BA324G, BA324G-SS

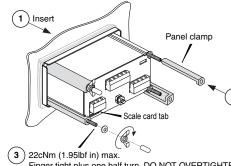


Back-box has four M6 clearance holes for surface mounting and two threaded M20 x 1.5 holes for cable entries.

Installation: Panel mounting models BA307E, BA327E, BA308E & BA328E

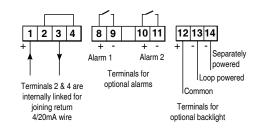


Installation: Panel mounting models BA307E-SS & BA327E-SS



Finger tight plus one half turn DO NOT OVERTIGHTEN

Connections: Panel mounting models BA307E, BA327E, BA308E, BA328E, BA307E-SS and BA327E-SS



Combined EU Declaration of Conformity

Description of Electrical Apparatus

BA304G, BA304G-SS 4 digit; BA324G, BA324G-SS 5 digit field mounting (Intrinsically safe 4/20mA loop powered indicators)

BA307E, BA307E-SS, BA308E 4 digit; BA327E, BA327E-SS, BA328E 5 digit panel mounting (-SS models have a stainless steel enclosure)

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:

(Ex) Group II Category 1G Ex ia IIC T5 Ga Ta -40°C to +70°C Group II Category 2D Ex ia IIIC T80°C Db (IP66 field IP20 panel) Ta -40°C to +70°C

Notified Body for EU-Type Examination and production INTERTEK ITALIA SPA 2575 Via Guido Miglioli, 2/A

20063 Cernusco sul Naviglio (MI) Italy.

EU-Type Examination Certificates

ITS11ATEX27253X Issue 2 12th August 2015. ITS11ATEX27254X Issue 4 16th October 2017. ITS14ATEX28077X issue 1 19th August 2014.

Standards used:

Compliant with EN IEC 60079-0:2018; EN 60079-11:2012 except in respect of those requirements referred to at item 16 of the Schedule.

2014/30/EU (EMC Directive)

Standards used: EN 61326-1:2013

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.

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Authorised Signatory: Issue 1 19th October 2022

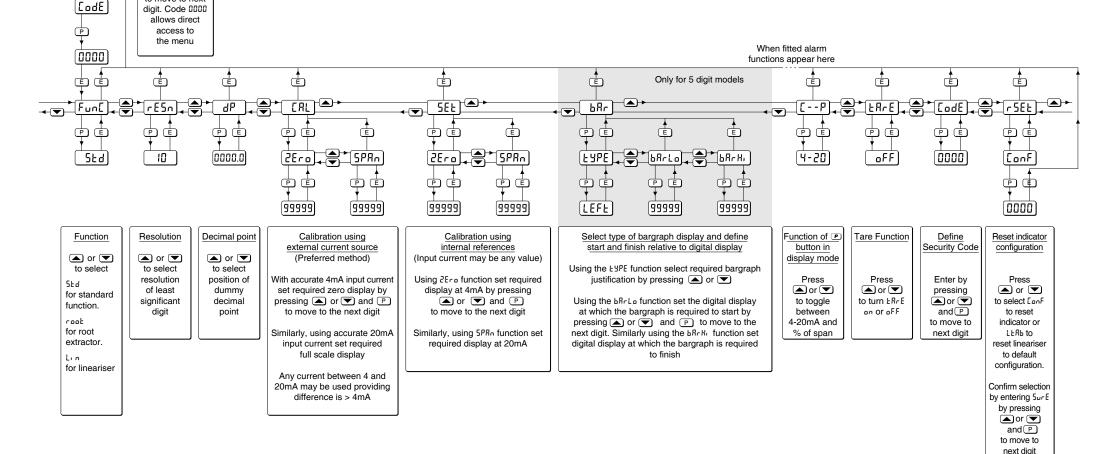
Hobretos

Olivier Lebreton CEng MIET Managing Director

CONFIGURATION

Access to the configuration menu is obtained by pressing the \mathbb{P} and \mathbb{E} buttons simultaneously. If the indicator security code is set to the default DDD the first parameter Func will be displayed. If the indicator is protected by a security code, LodE will be displayed and the code must be entered to obtain access to the menu.

Please refer to the full instruction manual for detailed configuration information and for a description of the lineariser and the optional dual alarms.



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Manuals, certificates and datasheets can be downloaded from https://www.beka.co.uk/lpi01

Security Code

Enter code by

pressing

to move to next

Display

mode

9999

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