

# Operating Instructions

## Alarms (optical and/or acoustical)

<b>BS 601 to BS 605</b>	$\text{Ex}$ I M2	$\text{Ex}$ II 2G	<b>EEx de(q) [ib] I/IIB T5</b>
	$\text{Ex}$ I M1		<b>EEx ia I</b>
<b>BS 606</b>	$\text{Ex}$ I M2	$\text{Ex}$ II 2G	<b>EEx d I/IIB T6</b>

### IBExU 03 ATEX 1147 X

#### Technical Data:

##### Voltages:

BS 601-605 EEx de	230, 500, 1000, 110 V AC
	12 V DC
BS 606 EEx de	230 V AC
BS 601-605 EEx ia	12 V, 24 V DC

##### Performance:

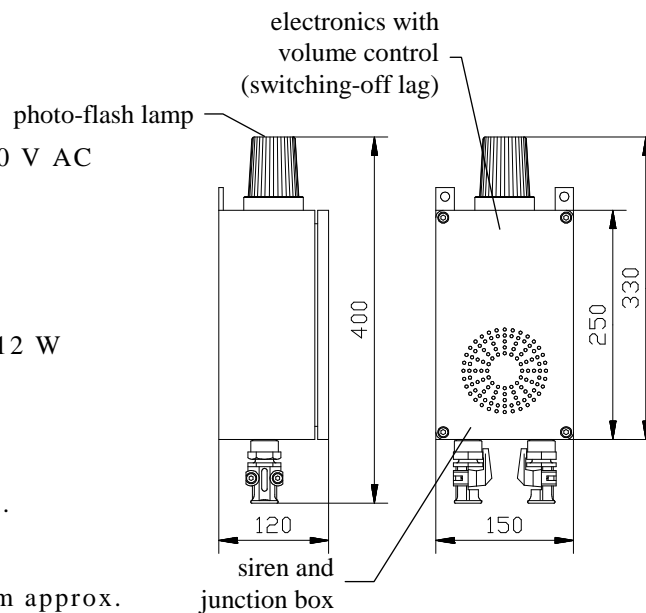
- electrical	12 - 35 VA / 2.4 - 12 W
- optical (flash rating)	5 Ws or 10 Ws
- acoustical (loudness level)	95 - 107 dB approx.

##### Dimensions:

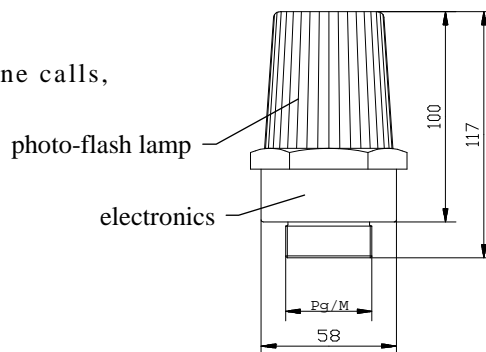
BS 601-605...	400 x 150 x 120 mm approx.
BS 606	Ø 58 x 100 mm approx.

##### Application:

- danger zones
- building sites
- start warning
- signalling of telephone calls, etc.



**BS 601 - 605**



**BS 606**

#### Description

Types BS 601 - 605 consist of a double-chamber enclosure of sheet metal, one containing the circuit boards and the other serving as junction box. In types BS 601, 602 and 605 the lid, in addition, contains the loudspeaker of the siren. Except type BS 605 all alarms are equipped with a clear or coloured



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translucent cover of polycarbonate, containing a photo-flash lamp of extremely high light intensity, which radiates all around.

Type BS 606 is a very compact optical alarm with a thread to be attached to distribution or junction boxes.

## **Mounting**

The alarms BS 601 to 605 are mounted by means of the fish-plates attached to the outside of the enclosure. The alarms BS 606 are mounted by means of its threaded adapter and are screwed into a corresponding threaded sleeve or tapped hole of an enclosure and are secured against self-loosening by means of lock nuts. They may be mounted in any position.

## **Electrical Connection**

Except for type BS 606, connection of the electrical cables is carried out in a connection compartment provided for this purpose. Marked terminals are fixed in there which have to be connected according to the wiring diagram fitted within the connection compartment.

The alarms BS 606 are connected by means of the brought-out leads within the enclosures to which they are attached, using the brown and the blue cables for connection with the 230 V AC mains supply.

## **Spare Parts List**

Lid with loudspeaker EEx e  
Lid for connection compartment EEx e  
Lid for electronics compartment EEx d  
Lid with loudspeaker EEx i  
Lid for connection compartment EEx i  
Terminal board KB 750/. BöSha  
Terminal block KL-.... BöSha  
Cable entries BS 1.. to BS 4..

## **ATTENTION !!!**

**Before starting operation store the alarms in a dry place, protect against moisture!**

**Attach the supplied caps to the threaded cable entry sleeves!**