

Secondary Telephone Alarm and Signal Unit TWIN

Optical and acoustic call signalling



Overview

The optical and acoustic secondary alarm and signal unit is designed for application in industrial areas and is suitable for indoor and outdoor use.

The device is connected to a 230 V power supply to provide an optical and acoustic signal generation.

The TWIN is designed for wallmounting. The integrated strobe light for optical signalling is continuously actuated, bridging the calling pause.

The TWIN is a compact unit comprising power supply, telephone connection, strobe light, amplifier and loudspeaker. The bottom box is made of seawater-resistant cast aluminium coated with plastic. The loudspeaker consists of impact and cold-resistant plastic and is permanently mounted to the housing. The strobe light cap made of polycarbonate forms the housing cover.

Features

- Controllable via potential-free contact
- Analogue controlling possible
- Protection class IP 66 according to EN 60529
- 4 different signal tones
- Volume approx. 100 dB(A)

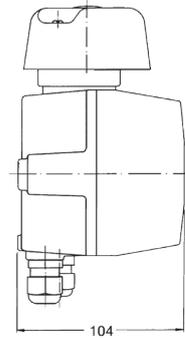
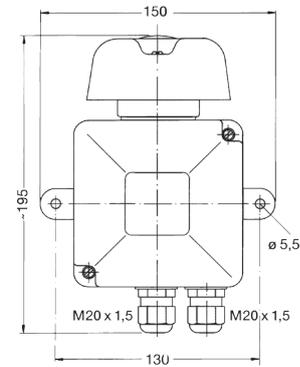
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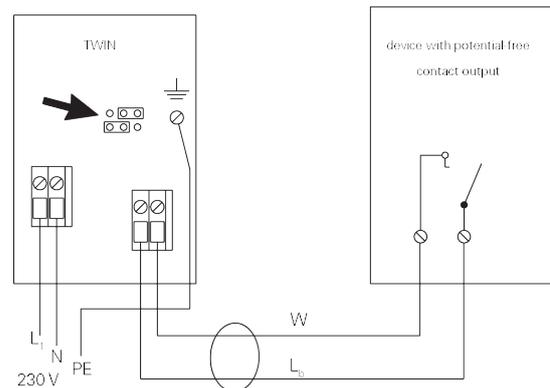
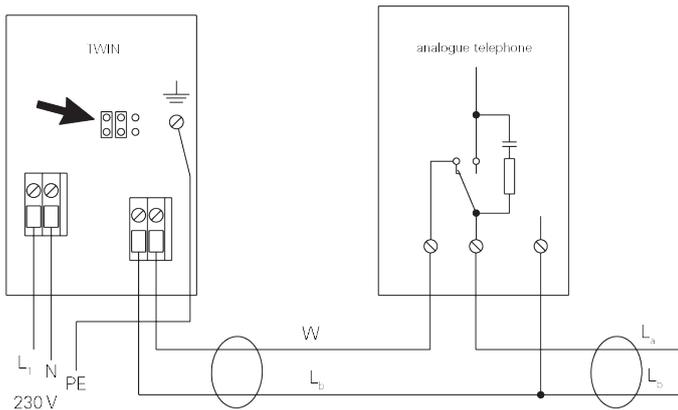
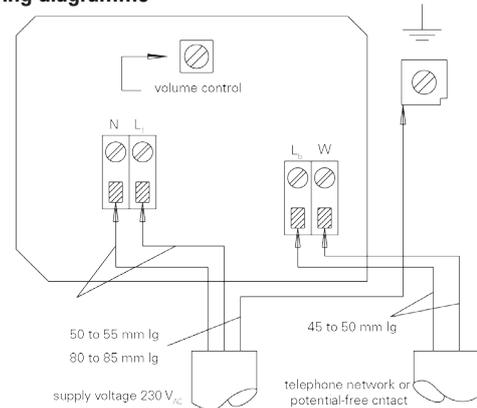
Specifications

Cable glands	2x M20 x 1.5 Clamping range \varnothing 5-9 mm	
Connection terminals	For stranded wire up to 1.5 mm ²	
Network connection		
Terminal designation	L1, N, PE (PE at housing)	
Voltage	230 VAC \pm 10 % 50 Hz/60 Hz	
Power consumption	100 mA	
Operating time		
The TWIN is designed for short-term or intermittent operation. At 30 °C ambient temperature and with maximum voltage supply, the following conditions apply: Switch-on cycle \leq 30 min. Break cycle \geq 30 min.		
Telephone connection		
Terminal designation	W, Lb	
AC ringing voltage	24 VAC to 85 VAC	24 VAC to 80 VAC
Overlaid supply voltage	0 VDC to 48 VDC	48 VDC to 63 VDC
Ringing frequency	16 Hz to 54 Hz	
Input impedance at 25 Hz	$Z \geq 8$ k Ω	
Input impedance at 50 Hz	$Z \geq 4$ k Ω	
Acoustic signalling		
Acoustic signalling unit	Piezo disk	
Signals (selectable via DIP switch)	2 or 3-tone call, 4 different settings	
Volume	Approx. 100 dB(A), 1 m distance	
Optical signalling		
Optical signalling unit	Flash tube E = 3 Joule	
Flash frequency	2 Hz to 5 Hz	
Flashing interval after ringing (bridging of calling pause)	Approx. 4 s	
Housing		
Height x width x depth	Approx. 150 x 195 mm x 104 mm	
Weight	Approx. 0.9 kg	
Operating position		
Vertical wall mounting		
Environmental conditions		
Operating temperature	-20 °C to +60 °C	
Transport and storage temperature	-20 °C to +85 °C	
Ingress protection		
IP 66 according to EN 60529		
Protection class		
I		

General arrangement drawing (all dimensions in mm)



Wiring diagramme



Bestelldaten

* The full article number is made up by appending the colour code to the article numbers given below.

Type	Designation	Article number
TWIN Type 5843/5	Secondary Alarm and Signal Unit	FHF 118 832*

transparent	01
red	02
amber	03
green	04
blue	05