



The signalling device SSF/GB is used for external and local alarm signals by intruder alarm systems. The SSF/GB correspond to the VdS guidelines of VdS class C. The acoustic alarm component consists of a tone generator with a power amplifier and loudspeaker. The signalling device SSF/GB also has a strobe light to provide an optical alarm signal. The housing is made from corrosion-resistant aluminium with a protective enamel coating.

A case tamper contact is implemented for protection against sabotage. The connection of the cables is carried out with screw terminals. The cables are monitored for manipulation with EOL resistors which are soldered onto soldering terminals (R1, R2). The monitoring circuit for tamper monitoring of the housing using the tamper contact is also provided with an EOL resistor that is likewise soldered onto a soldering terminal (R3).

Technical Data

Housing	1.5 mm aluminium with protective enamel coating, RAL 9002
Spherical cap	Polycarbonate, aviation red
Supply voltage	12 V DC \pm 15% alternatively 24 V DC \pm 10% (not VdS)
Power consumption (average values at 12 V DC)	Strobe light: approx. 200 mA Siren: approx. 330 mA, intruder alarm (in accordance with VdS), approx. 370 mA, fire alarm (non-VdS), (1 s saw-tooth, approx. 1200 Hz ... 500 Hz), ca. 200 mA, technical alarm (non-VdS), (approx. 0.75 s ON, approx. 820 Hz; approx. 0.75 s OFF)
Flashing rate	approx. 1.0 Hz at 12 V DC
Volume	> 100 dB(A) at 1 m distance, intermittent tone for intruder alarm
Environmental class	IV in accordance with VdS – 25°C..... + 60°C
Weight	approx. 1.7 kg

Installation

The signalling device must be installed in the correct position i.e. the housing screw must be at the top. Once the housing screw has been loosened, it is possible to slide the housing cover downwards and then lift it forwards from the base. During the installation, it can be suspended in the lower guide slot of the base using the two upper retaining bolts. Before fixing the housing base in position with 3 screws, the connecting cables must be fed into the base through the rectangular cable opening. If necessary, a strain relief should be provided for the connecting cable by fixing the cable with a cable binder at the cable entry.

A cable lug can be screwed onto the base for the equipotential distribution or lightning protection, whereby the connecting cable is crimped onto the cable lug.

An opening (bore hole) is provided for this screw (M4) in the fixing wall so that the screw can be fully rotated and does not sit on the fixing wall.

Siren

As an alternative to the VdS intermittent tone for intruder alarms, the siren can produce an intermittent tone for fire alarms (non-VdS) or technical alarms (non-VdS). The selection of the tone is carried out via the supply terminals of the siren.

It is only possible to carry out parallel operation of the tones for intruder alarms, fire alarms and/or technical alarms on a control unit with positively switched alarm outputs and a common reference potential.

If multiple alarms are triggered, intruder alarms are carried out before fire and technical alarms.

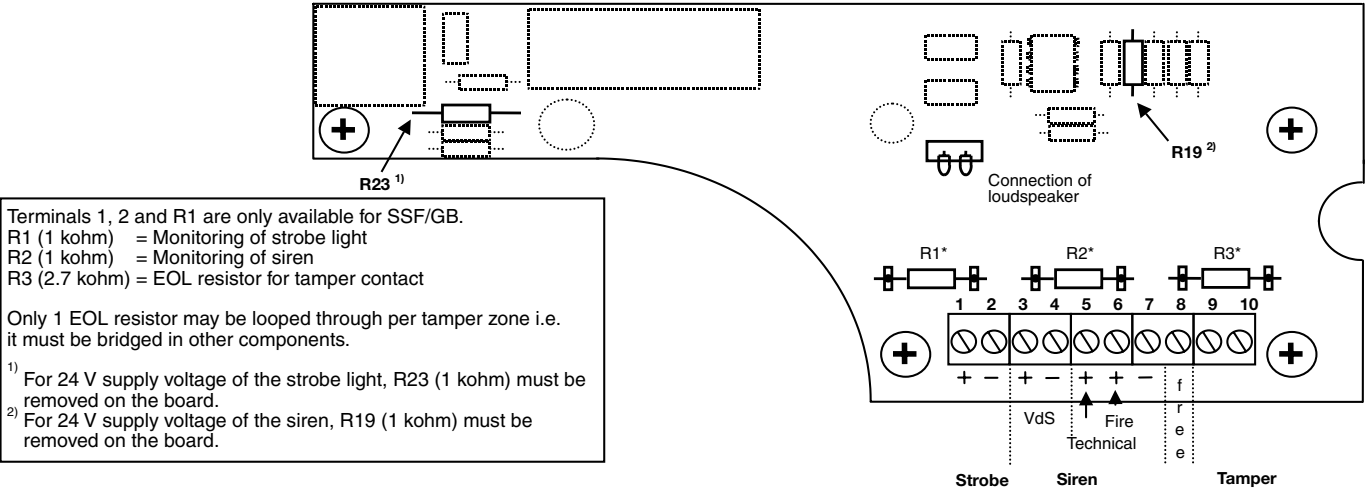
Connection

The signalling device may only be connected in the de-energised state with telecommunications cable IY(ST)-Y 4x2x0.8. Sufficient cable cross-sections should be ensured for long connecting cables.

The strobe light may only be operated with enclosed housing.

Care should be taken as components are operated with high voltage!

The connecting wires of the flash tubes and capacitor may not be touched.



Terminal assignment

	1	2	3	4	5	6	7	8	9	10
	+	-	+	-	+	+	-			
	Optical signalling device VdS		Acoustic signalling device VdS		Technical alarm	Fire alarm	Ground Technical/ fire	Free	Tamper (bridge R3 if required)	
L102/S	3(AE1)	4(AE2) *	14/16 (AE2)	15(AE2)					7(AE2)	8(AE2)
L208	28	29	32	30/31					9	C
L840	22	23	18/20	19/21					MGX= SABO	MGX= SABO

Caution: *When connecting the optical signalling device to the intruder alarm control unit L102/S, an additional cable link is required between terminal 2(AE1) and terminal 3(AE2).