ALARMTECH Detectors   **Panic Button**

Datasheet and Instruction Manual   **HB 105**

1 - Supply voltage (-) for LED
2 - Power supply (+) to LED
3 - NC (Alarm 1)
4 - C (Alarm 1)
5 - NO (Alarm 1)
6 - Free
7 - NC (Alarm 2)
8 - C (Alarm 2)
9 - NO (Alarm 2)
10 - Sabotage switch
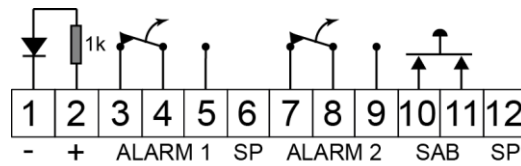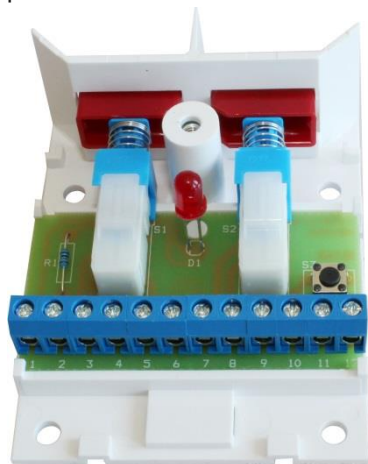11 - Sabotage switch
12 - Free

DESCRIPTION

HB 105 is a hold up panic push button that can be used for various applications in an alarm system. HB 105 has two push buttons with changeover function (NC / NO) in the terminal block. However, depending on the wiring in the terminal block HB 105 can be used for dual operation (type X according to CLC/TS 50131-11:2012 Ch. 4.4.1) or single operation (type V) of the buttons. There's also an input for connecting the built-in LED to a control panel. The HB 105 is protected against opening of the cover.

HB 105 is available in two versions:
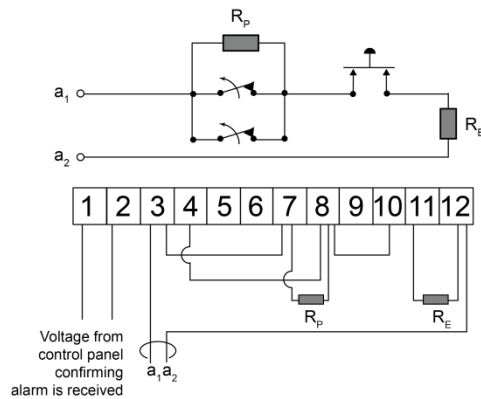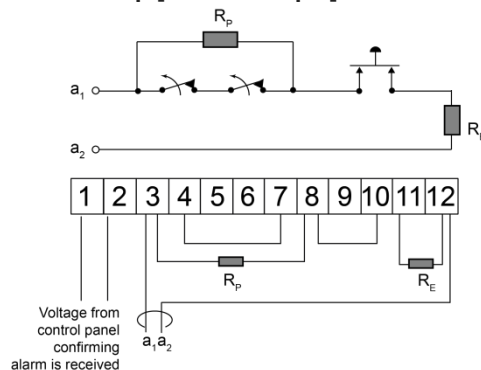HB 105-M with momentary push-buttons
HB 105-L with latching push buttons

Example of connection for dual operation on a balanced loop [EOL example]:

INSTALLATION

CONNECTION

The connector has 12 screw terminals with wire protection. Connections as below:

Example of connection for single operation on a balanced loop [2EOL example]:

TECHNICAL DATA

Alarm output	2 x change over contacts, max 30 VDC / 100 mA
Tamper	Opening protection contact, max 30 VDC / 50 mA
Power supply (for LED)	9-30 VDC (LED is in series with a 1 kΩ resistor)
Approvals	CLC/TS 50131-11 Grade 3 (VdS EN-ST-000297)
Environmental Class	EN 50130-5 Class II
Temperature range	-10 to +55 °C
Humidity	max. 95% RH
Protection class	IP31
Dimensions (L x W x H)	80 x 65 x 30
Compliance	CE RoHS

We reserve the right to changes without notice.