ABB i-bus® EIB

Zone Terminal
MT/S 4.12.1

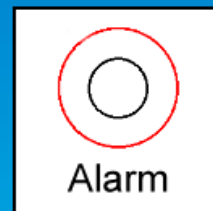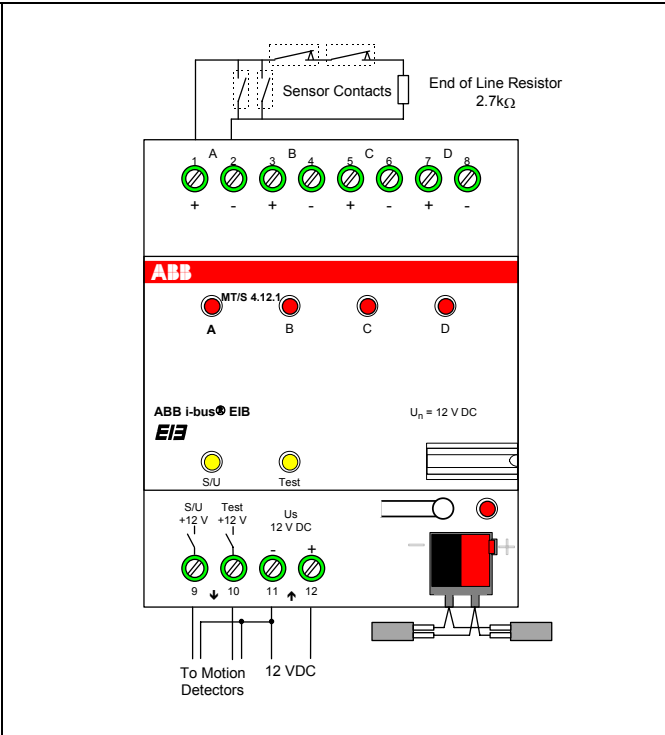## Intelligent Installation Systems

New Product

ABB STOTZ-KONTAKT

Zone Terminal MT/S 4.12.1

The zone terminal is used for connecting passive sensors (e.g. reed contacts) to the ABB i-bus® EIB and/or for the connection of other potential free contacts in applications where greater security is required. In addition to reporting a change in the state of the sensor contacts the zone terminal also monitors the connecting cables for possible open-circuit or short-circuit faults. The device has 4 zone inputs, the status of which is indicated via 4 LEDs. The two 12 V outputs "Test" and "S/U" can be used, for example, for the control of conventional passive infrared sensors. An external 12 V DC power supply is required.

Typical applications include the monitoring of doors and windows against unauthorised entry, indoor surveillance via motion detectors as well as notification of alarm situations via emergency push buttons.

Connection Diagram:

Technical Data

Power Supply

Voltage	12 V DC ± 15%, SELV
Ripple	$\leq$ 1.0 Vss
Current Consumption	< 50 mA, typically 20 mA (without supply to external Sensors)

Inputs

4 Zones	zone loops A,B, C and D
Open circuit voltage	approx. 12 V DC
Short circuit current	max. approx. 5 mA
Maximum cable length	limited only by the maximum total cable impedance per zone loop of 200 Ω
End of line resistor	2.7 kΩ

Outputs

2 Control outputs	'Set//Unset' and 'Walk test'
Open circuit voltage	ca. 12 V DC
Output impedance	1 kΩ
Short circuit current	max. approx. 12 mA

Control and Display Elements

LED and push-button	for entering the physical address
6 LEDs	Status of the 4 zones, status of the 'Set/Unset' and 'Walk test' outputs
Protection class	IP 20 according to DIN 40 050
Operating temperature range	-5°C to +45°C
Connection	Screw terminals Cable cross-section 0.2 - 2.5 mm^2
ABB i-bus® EIB	Bus connection terminal (included)
Installation	on 35 mm mounting rail, DIN EN 50 022
Dimensions (HxWXD)	90 x 72 x 64 mm
Installation depth/width	68 mm / 4 Modules @ 18 mm
Weight	0.160 kg

Selection Table

Description	Ordering Info. Short Code	Product Code	bbn 4016779 EAN	Price Group	Weight 1 Pc. [kg]	Package [Pc.]
Zone Terminal	**MT/S 4.12.1**	GHQ 631 0027 R0111	**9378802**	26	0.160	1