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DESCRIPTION

Input separator is used to separate control signals into particular system groups, simultaneously blocking their access to other groups. The input separator SEM-01 is used for building control systems which use extra series home automation devices. This system allows to subordinate the influence of control signals which are led to releasing inputs. The separator lets the signal pass one side but blocks the signal to pass the opposite side. There are 4 independent separators in one casing and they can be used in a new control system.

FEATURES

- ☞ Control signals separation,
- ☞ used in new control systems,
- ☞ four independent separators,
- ☞ monomodular casing,
- ☞ TH 35 rail mounting.



CAUTION

The device is designed for one-phase installation and must be installed in accordance with standards valid in a particular country. The device should be connected according to the details included in this operating manual. Installation, connection and control should be carried out by a qualified electrician staff, who act in accordance with the service manual and the device functions. Casing disassembly results in breaking the guarantee and can cause danger of electrocution. Before installation make sure the connection cables are not under voltage. The cruciform head screwdriver 3,5 mm should be used to instal the device. Improper transport, storage, and use of the device influence its wrong functioning. It is not advisable to instal the device in the following cases: if any device part is missing or the device is damaged or deformed. In case of improper functioning of the device contact the producer.

TECHNICAL DATA

SEM-01	
Maximum voltage range:	300 V~
Number of separators in one casing:	4
Admissible separator's voltage:	1 A
Maximum voltage drop:	1 V
Number of terminal clamps:	8
Section of connecting cables:	0,2 + 2,50 mm ²
Ambient temperature range:	-20 + +45 °C
Operating position:	free
Casing mounting:	rail TH 35 (PN-EN 60715)
Casing protection degree:	IP20 (PN-EN 60529)
Protection level :	II
Overvoltage category:	II
Pollution degree:	2
Dimensions:	monomodular (17,5 mm) 90x17,5x66 mm
Weight:	47 g
Reference standard:	PN-EN 60669-1

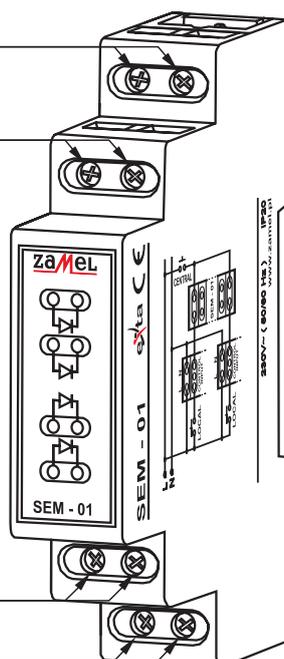
APPEARANCE

Separator's terminal 1

Separator's terminal 2

Separator's terminal 3

Separator's terminal 4



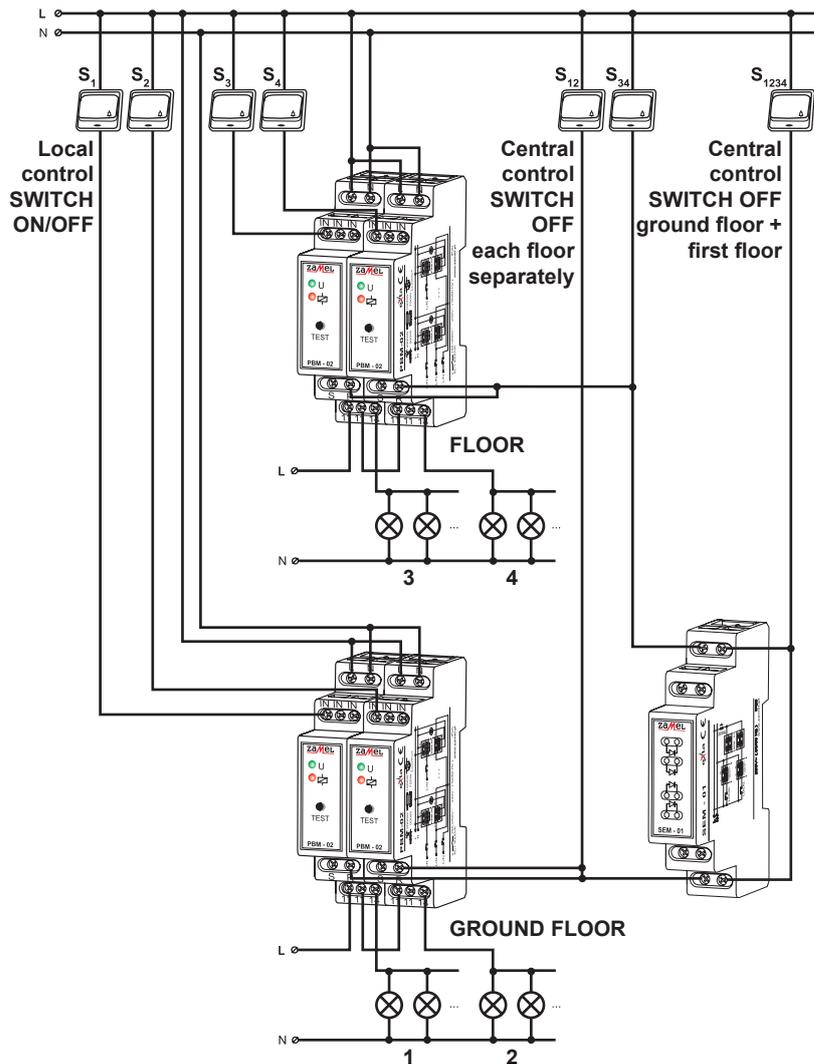
MOUNTING

1. Disconnect the power supply from the mains by the phase fuse, the circuit-breaker or the switch-disconnector that are joined to the proper circuit,
2. Check if there is no voltage on connection cables by means of a special measure equipment,
3. Fasten the SEM-01 on the rails in the switching station,
4. Connect the cables with the terminals in accordance with the accepted control system and in cooperation with other extra series devices,
5. Switch on power supply from the mains.

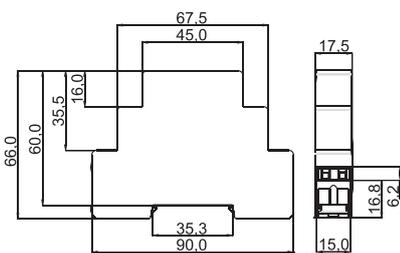
FUNCTIONING

The diagram shows lighting control system on the ground floor and on the first floor in a building. Four PBM-02 devices have been applied to control four lighting circuits. To increase the number of lighting circuits we can increase the number of PBM-02 relays. Single-pole bell switches S_1, S_2, S_3, S_4 connected with bistable relays IN inputs have the function to SWITCH ON / SWITCH OFF particular lighting circuits. S_{12}, S_{34} switches are connected with R inputs of all PBM-02 relays' inputs and have the function of SWITCH OFF control, and it allows to switch off all lights on particular floors: S_{12} - ground floor, S_{34} - first floor. The S_{1234} switch connected with R inputs of all PBM-02 relays is the element of SWITCH OFF central control. It allows to switch off the light in the whole building. Connecting S_{1234} by means of SEM-01 separator makes control signals independent.

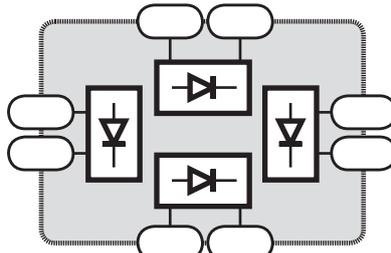
CONNECTING



DIMENSIONS



INNER DIAGRAM



WORKING WITH

The separator of SEM-01 signal has a practical application when used with extra series systems, which are equipped with inner trip circuit. ASM-02, ASM-10, PCM-04, PCM-10, PBM-01, PBM-02, SRM-10, DIM-10 devices belong to these systems. SEM-01 is responsible for the filtration of control signals and for leading or cutting them off from particular systems in a new created system.

GUARANTEE CARD

There is 24 months guarantee on the product

Salesman stamp and signature, date of sale

1. ZMIE ZAMEL SP. J. assures 24 months guarantee for the product.
2. The manufacturer's guarantee does not cover any of the following actions:
 - a) mechanical damage during transport, loading / unloading or under other circumstances,
 - b) damage caused by incorrect product mounting or misuse,
 - c) damage caused by unauthorised modifications made by the PURCHASER or any third parties to the product or any other devices needed for the product functioning,
 - d) damage caused by Act of God or any other incidents independent of the manufacturer.
3. The PURCHASER shall lay any claims in writing to the dealer or ZMIE ZAMEL SP. J.
4. ZMIE ZAMEL SP. J. is liable for processing any claim according to current Polish legislation.
5. ZMIE ZAMEL SP. J. shall process the claim at its own discretion: product repair, replacement or money return.
6. The manufacturer's guarantee is valid in the Republic of Poland.
7. The PURCHASER's statutory rights in any applicable legislation whether against the retailer arising from the purchase contract or otherwise are not affected by this warranty.