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DESCRIPTION

Staircase lighting timer ASM-03 is used for staircase and hall lightning controlling. After a signal it switches on the lightning for a set time and then automatically switches off. Working can be smoothly regulated from 3 to 30 min by potentiometer placed on front panel of the automat. **ASM-03 is equipped with con-blockade function and ON/OFF function.**

FEATURES

- Staircase lighting control
- Fluent operating time adjustment from 3 to 30 minutes
- Relay indicator: LED red
- Input rated indicator : LED green
- Mode setting option: continuous work mode (ON), or continuous work mode OFF
- Cooperation with unipolar illuminated pushbuttons
- Con-blockade function
- Voltage relay output – one joint of max 16 A load
- Monomodular casing
- Mounting on TH 35 rail



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 instruction manual. Installation, connection and control should be carried out by a qualified electrician staff, who act in accordance with the instruction manual and the device functions. Disassembling of the device is equal with a loss of guarantee and can cause electric shock. Before installation make sure the connection cables are not under voltage. The cruciform head screwdriver 3,5 mm should be used to install the device. Improper transport, storage, and use of the device influence its wrong functioning. It is not advisable to install the device in the following cases: if any device's part is missing or the device is damaged or deformed. In case of improper functioning of the device contact the producer.

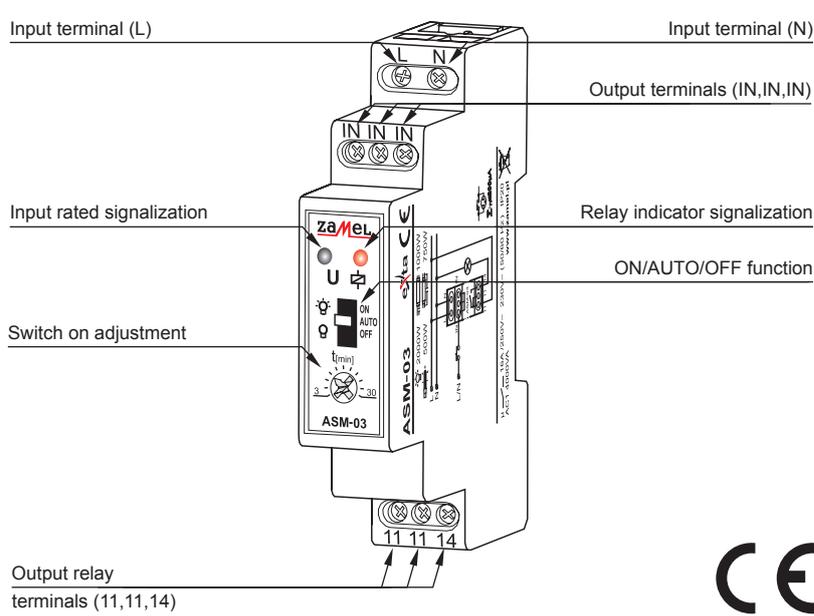


The symbol stands for selective collection of electrical and electronic devices. Placing used devices with other waste is not allowed

TECHNICAL DATA

ASM-03	
Input (supply) terminals:	L, N
Input rated voltage:	230 V AC
Input voltage tolerance:	-15 + +10 %
Power/relay supply indicator:	green LED
Nominal frequency:	50 / 60 Hz
Rated power consumption:	25 mA
Supply/release terminals:	IN, IN, IN
Supply/release control current:	300 µA
Threshold adjustment time:	3 min + 30 min (rotating potentiometer)
Operation mode:	ON, AUTO, OFF
Time accuracy adjustment:	±10 %
Time repeatability adjustment:	±5 %
Relay indicator:	LED red
Output contacts parameters:	1NO - 16 A / 250 V AC1 4000 VA
Number of terminal clamps:	8
Section of connecting cables:	0,2 + 2,50 mm ²
Ambient temperature range:	-20 + +45 °C
Operating position:	free
Mounting:	TH rail 35 (EN 60715)
Casing protection degree:	IP20 (EN 60529)
Protection level:	II
Overvoltage category:	II
Pollution degree:	2
Surge voltage:	2 kV (EN 60669-1), 1 kV (EN 61000-4-5)
Dimensions:	monomodular (17,5 mm) 90x17,5x66 mm
Weight:	76 g
Reference standards:	EN 60669-1; EN 60669-2-1 EN 61000-4-2,3,4,5,6,11

APPEARANCE

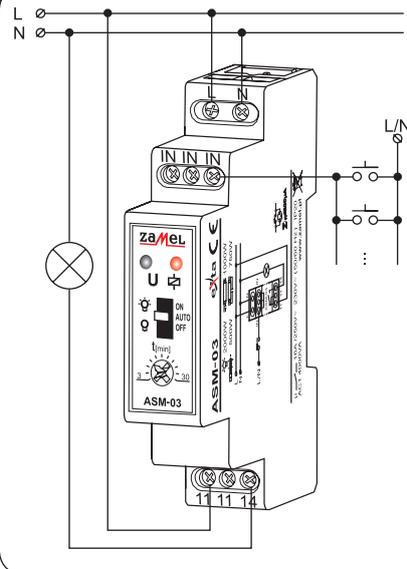


MOUNTING, FUNCTIONING

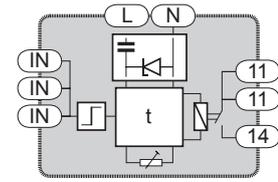
1. Disconnect the power supply from the mains by: the phase fuse, the circuit-breaker or the switch disconnector that are joined to the proper circuit,
2. **By means of special equipment check if there is no voltage on the connection cables**
3. Install **ASM-03** in the switchboard on the TH-35 rail
4. Connect the cables to the terminals according to the installing diagram
5. Switch on the power supply from the mains
6. By means of potentiometer set required lightning time switch on

The device is ready to operate after proper connection. Switching on by unipolar pushbutton switches on the lightning for the time set by the user. After set time the lightning is switched off automatically. The staircase lightning controller enables four wire installation. ASM-03 staircase controller is equipped with con-blockade, it means that the lightning will be switched off after a set time in case of release button blockade. The device can work in AUTO mode and by means of a switch it can be switched in ON mode (helpful in activities like cleaning) or OFF mode (helpful by activities connected with lightning exchange)

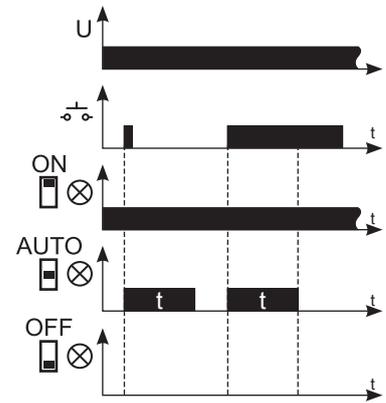
CONNECTING



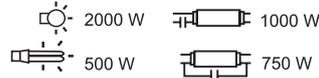
INNER DIAGRAM



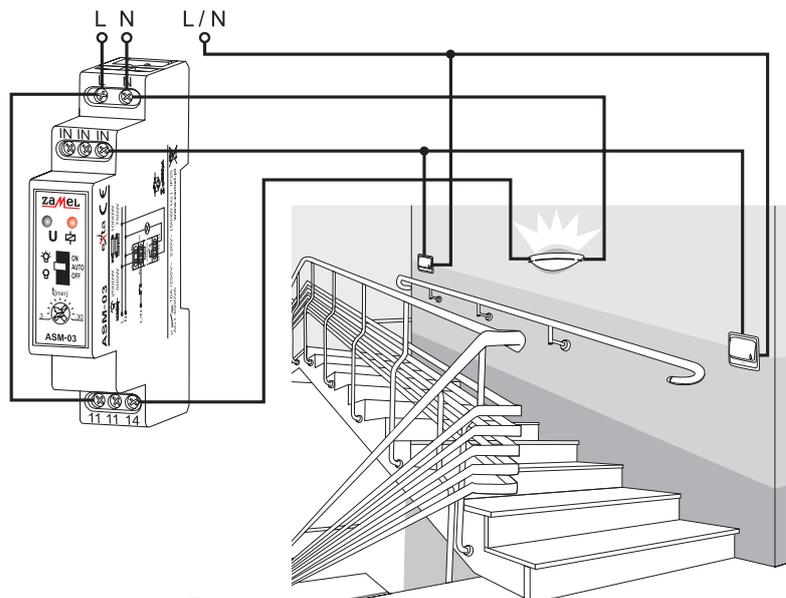
TIME COURSE



RELAY CAPACITY



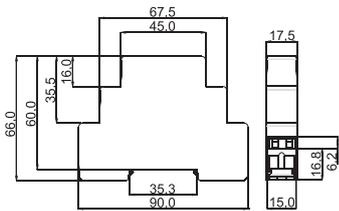
EXAMPLE OF INSTALATION



Typical application:

Staircase lightning timer which controls staircase lighting operates in four wire configuration. Unipolar buttons (eg. equipped with illumination) can be joined parrelly

WYMIARY OBUDOWY



PRODUCT FAMILY

The staircase lightning timer ASM-03 belongs to the ASx staircase lightning timer's family

ASx-xx (I/x)

Power supply version:
24V - 24 V AC/DC available for ASM-02
U - 12-240 V AC/DC available for ASH-01, ASM-01, ASN-01

Version:
01 - Three or four wire installation
02 - Con-blockade function
03 - Con-blockade and ON/AUTO/OFF function
10 - con-blockade, smooth dyeing, and off signalization functions

Version:
M - modular
N - surface
H - hermetic
P - flush junction box

Symbol

GUARANTEE CARD

There is 24 months guarantee on the product

Salesman stamp and signature, date of sale

1. ZAMEL provides a two-year warranty for its products.
2. The ZAMEL warranty does not cover:
 - a) mechanical defects resulting from transport, loading / unloading or other circumstances
 - b) defects resulting from incorrect installation or operation of ZAMEL products;
 - c) defects resulting from any changes made by CUSTOMERS or third parties, to products sold or equipment necessary for the correct operation of products sold;
 - d) defects resulting from force majeure or other aleatory events for which ZAMEL is not liable;
 - e) power supply (batteries) to be equipped with a device in the moment of sale (if they appear);
3. All complaints in relation to the warranty must be provided by the CUSTOMER in writing to the retailer after discovering a defect.;
4. ZAMEL will review complaints in accordance with existing regulations.;
5. The way a complaint is settled, e.g. replacement of the product, repair or refund, is left to the discretion of ZAMEL.
6. Guarantee does not exclude, does not limit, nor does it suspend the rights of the PURCHASER resulting from the discrepancy between the goods and the contract.