E1ZTPNC 230V AC

Manufacturer data sheet: V.072

Time relay - automatic staircase lighting

Status: Available Data sheet created: 01.07.2025

Item Number: 110300 - **Serie:** Enya - **EAN:** 9008662000179



- Timer relay series ENYA
- Staircase lightingTimer
- Impulse switch
- Multifunction
- 6 functions
- Supply voltage 230VAC
- 1 NO contact
- width 17.5 mm
- Installation type

Description

Precise and reliable switching and control in industrial and commercial applications.

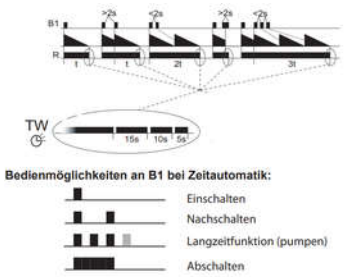
General information

Short description	Staircase lighting controller, impulse switch, (6 fct.), additional input
Item Number	110300
EAN	9008662000179
Main category	Timing Relays
Series	Enya
Type	E1ZTPNC 230V AC
Design	Installation design
Supply	230V AC
Dimensions	17.5 x 87 x 65 mm

Functions and measurands

The selection of the time function must be made in the de-energized state.

Amount of functions 6



Automatic timer with switch off prewarnings (TW)
After pressing button B1, the output relay R closes. (terminals L-18) closes and the set time t begins to run. If the push-button is pressed again before the time t has expired, the time starts to run again (the reset function complies with EN 60669-2-3). Pressing the push-button quickly several times (pumping) results in a accumulation of 2, 3 or more time intervals up to 60min. Pressing the button for a long time (>2s) interrupts the running time and the relay switches off (energy-saving function). In the TW function the unit generates short pulses (flickering) for switch-off prewarning (according to DIN 180-15-2). (flickering) at the times 30s, 15s and 5s before switch-off. switch-off. The additional control input C1-C2 enables in mode T and TW the control of the staircase lighting controller by a voltage of 8 to 230V a.c./d.c. . This input can be used to start and can be started and switched on again. The switching off (energy saving function) and the programming of longer times (pumping) is not possible via this input. possible via this input.

Aperture priority without shut off prewarning (T)
After pressing button B1, the output relay R closes. (terminals L-18) closes and the set time t begins to run. If the push-button is pressed again before the time t has elapsed, the time starts to run again (the reset function complies with EN 60669-2-3). Pressing the push-button quickly several times (pumping) results in a accumulation of 2, 3 or more time intervals up to 60min. Pressing the button for a long time (>2s) interrupts the running time and the relay switches off (energy saving function).

Switched off (0)

Permanent light (ON) (1)

Impulse switch without time function (P)
In impulse mode, each key actuation at B1 causes the output relay R to switch over. of the output relay R. In function P, the output relay R is always de-energised after is always de-energised after the supply voltage is applied. By applying a short voltage pulse (2s) causes the relay R to be switched off (central OFF). relay R is switched off (central OFF).

Impulse switch zero voltage safe (PN)
In impulse mode, each key actuation at B1 causes the output relay R to switch over. of the output relay R. In the PN function, the output relay R picks up immediately after the supply voltage is applied, if it was picked up before the power failure. before the power failure. By applying a short voltage pulse (2s) causes the relay R to switch off (central OFF). relay R is switched off (central OFF).

Indicators

Supply/time lapse 1	Green LED U ON: Supply voltage applied
Relay state	Yellow LED ON/OFF: output relay position

Mechanical design

Housing material	made of self-extinguishing plastic
Housing - protection degree	IP40
Mounting	top hat rail TH 35 7,5-15 according to IEC 60715:2017 / EN 60715:2017
Terminals/connections	Touch-proof clamping yoke terminals according to DGUV 3 (Screwdriver PZ1 required)
Terminals - protection degree	IP20
Mounting position	any
Max. Tightening Torque	1 Nm
Terminal capacity	• 1 x 0.5 to 2.5mm² with/without ferrule • 1 x 4mm² without wire end ferrule • 2 x 0.5 to 1.5mm² with/without end sleeves • 2 x 2.5mm² flexible without ferrules

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Supply circuit

Terminals/connections	L - N
Supply voltage a.c.	230 V
Supply voltage tolerance a.c.	-15% ... +10%
Rated frequency [Hz]	a.c. 48 ... 63 Hz
Rated consumption a.c.	1 W / 2 VA
Drop-out voltage	>30%
Overvoltage category	III (IEC 60664-1)
Rated surge voltage	4 kV

Output curcuit

Type	Relay
Contact 1	1 make contact
Terminals 1	L-18
Rated voltage	250 V a.c.
Einschaltspitzenstrom	80A (20ms)
Mechanical life	30 x 10^6 Switching cycles
Electrical life	10^5 Switching cycles at 16A 250 V at resistive load
Electrical life 2	80000 switching cycles at 1000 W 250 V at incandescent lamp load
Switching frequency	10A continuous current if the distance between the units is < 5mm. 16A continuous current if the distance between the units is > 5mm.

Control input

Control input	with potential
Terminals/connections	Pushbutton B1-N (3-wire circuit), Pushbutton B1-L (4-wire circuit)
Lamp load	max. 100mA parallel to the pushbuttons
Overload protection	yes, electronic

Accuracy

Base accuracy	±5 % from full scale
Adjustment accuracy	<15 % from full scale
Repetition accuracy	<2 %
Temperature influence	<=1 %

Additional control input

Ambient conditions and general specifications

Storage temperature	-25 ... +70 °C
Transport temperature	-25 ... +70 °C
Pollution degree	2, pollution level can be increased by installation in suitable enclosures (according to IEC 60664-1)

Logistics

Minimum Quantity	1
Tariff Number	85364900
EAN	9008662000179
Country of Origin	AT
Product Weight (g)	73

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Available declarations / conformities

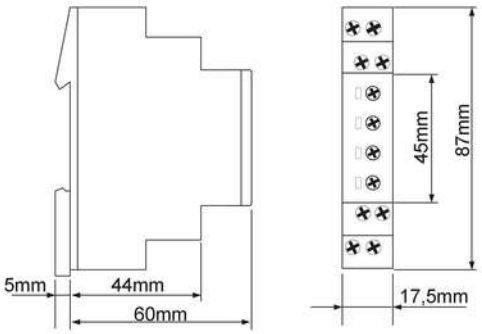
EAC	✓
CE	Open document
REACH	Open document
WEEE	Open document
TSCA	Open document
RoHs	Open document
CMRT	Open document

CAD Files

STEP_E1_en.STEP	Download file

Media & drawings





Dimensions

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Changes and errors excepted