

# TB-3

## Beacon control relays



### Description

The **TB-3** type Beacon control system is in charge of the supervision, control and transmission of anomalies detected in the different Beacon components of the telephony transmission towers.

#### TB-3 Features:

- Start-up control and measurement of the consumption of a single Beacon circuit: group of 1, 2 or 3 75W/230V or 15W/230Vac lamps.
- Inputs for a twilight photocell. The photocell will be supplied with the unit and is connected with the corresponding terminals (+ and - inputs of the photocell).
- Adjustments of the **TB-3**
  - Power of the 15 to 225 W lamp circuit.
  - Light level between 200 and 1000 lux.
- Relay output used to signal alarms.

### Application

Simple unit used to control and supervise a simple Beacon circuit, in addition to the supervision of the photocell's operation.

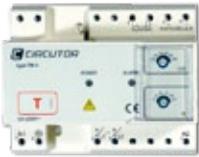
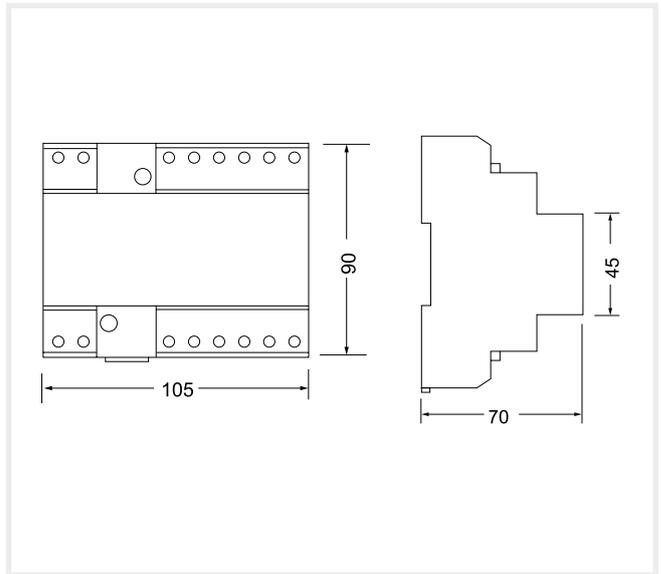
### Features

<b>Power supply circuit</b>	
Voltage (A1-A2)	230 Vac (± 20 %)
Frequency	50 ... 60 Hz
Consumption of the unit	5 V·A
Consumption of lamps	225 W maximum
<b>Beacon lamps</b>	
Power ratings	15, 30, 45, 75, 150, 225 W
Accuracy	± 10 %
Type of measurement	True root mean square
<b>Light level</b>	
Scales	200, 300, 400, 600, 800, 1000 lx
Accuracy	± 10 %
<b>Inputs and outputs</b>	
Photocell input	Photocell (+) (-)
Beacon lamp outputs	Power supply: 230 Vac (± 20 %) Nominal switching current: 0.5 Aac Nominal switching voltage: 200 Vac Insulation voltage between the coil and contacts: 2500 Vac
Alarm relay output	
<b>Insulation</b>	
Dielectric rigidity (between the housing and terminals)	2500 Vac, 50 Hz, 1 min
<b>Build features</b>	
Type of box	Modular, self-extinguishing plastic material
Connection	Metallic terminals for "posidriv" screws
Fixing	DIN rail
Dimensions	6 modules
Degree of protection	Embedded relay : IP 41; Terminals: IP 20
<b>Ambient conditions</b>	
Operating temperature	-10 ... +50 °C
<b>Standards</b>	
IEC 255-5, UNE 801-2, UNE 801-3, UNE 801-4, UNE 60730-1	

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### Dimensions



### References

Description	Type	Code
Power can be programmed between 15 ... 225 W Control of 1 circuit (Beacon)Control of the light level with the photocell supplied with the unit. 1 alarm relay to detect faults in the circuit or photocell	TB-3	P30102

### Connections

