

# PHOTOCELL LIGHTING CONTROL SWITCHES



## 1IC 7242

### Photocell lighting control switch for wall-mounting and/or pole installation

- Power supply 230V a.c. 50 / 60Hz
- Outdoor installation
- Output 1 polarized NO contact: 16 (2) A / 250Va.c.
- Connection with cables up to 2.5 mm<sup>2</sup>
- Wiring with shielded cable diameter 4-9 mm
- Intervention threshold adjustment trimmer, 2 - 200 Lux
- Threshold signalling LED
- Anti-UV opaline housing
- Protection degree IP 54
- Dimensions (Ø L x W x H) Ø 82 x 97 x 101 mm



## 1IC 7243

### Photocell lighting control switch with replaceable control module for wall-mounting and/or pole installation

Product being particularly suitable to facilitate system maintenance personnel: the control part that can be removed from the base of the contacts allows a quick intervention in the product without disconnecting the load

- Power supply 230V a.c. 50/60Hz
- Outdoor installation
- Output 1 polarized NO contact: 16 (2) A / 250Va.c.
- Connection with cables up to 2.5 mm<sup>2</sup>
- Wiring with shielded cable diameter 7-11 mm
- Pre-calibrated at the factory at 10 Lux ± 20%
- Intervention threshold adjustment trimmer, 2 - 200 Lux
- Threshold signalling LED
- Anti-UV opaline housing
- Protection degree IP 65
- Dimensions (L x W x H) 72 x 37.5 x 147 mm



## 1PR 7243M Spare module for photocell lighting control switch item 7243

- Power supply 230V a.c. 50/60Hz
- Outdoor installation
- Output 1 polarized NO contact: 16 (2) A / 250Va.c.
- Pre-calibrated at the factory at 10 Lux ± 20%
- Intervention threshold adjustment trimmer, 2 - 200 Lux
- Threshold signalling LED Anti-UV opaline housing
- Dimensions (L x W x H) 72 x 37.5 x 80 mm



## 1IC 7245

### Photocell lighting control switch model "FEBO" for wall-mounting and/or pole installation

The factory 10 LUX calibration prevents difficult interventions by the installer

- Power supply 230V a.c. 50 / 60Hz
- Outdoor installation
- Output 1 polarized NO contact: 16 (2) A/250Va.c.
- Connection with cables up to 2.5 mm<sup>2</sup>
- Wiring with shielded cable diameter 7-11 mm
- Pre-calibrated at the factory at 10 Lux ± 20%
- Intervention threshold adjustment trimmer, 2 - 200 Lux
- Threshold signalling LED
- Anti-UV opaline housing
- Protection degree IP 65
- Dimensions (L x W x H) 55 x 45 x 106 mm



## 1IC 7051

### Photocell lighting control switch with adjustment 2-10.000Lux, 2 DIN

It allows progressively lighting street tunnels

- Power supply 230V a.c. 50 / 60Hz DIN assembly plus outdoor probe
- Output 1 changeover contact, potential-free: 16 (2) A / 250V a.c.
- Connection with cables up to 2.5 mm<sup>2</sup>
- Adjustment range 2-100 / 2-1000 / 2-10.000 Lux (3 scales)
- Activation delay 8 sec ± 10%
- Deactivation delay 38 sec ± 10%
- Threshold calibration signalling LED
- Operation signalling LED Intervention threshold adjustment trimmer
- Dimensions DIN (L x W x H) 35 x 60 x 90 mm

#### EXTERNAL PROBE

- Anti-UV opaline housing
- Protection degree IP 65
- Dimensions of the probe (L x W x H) 28 x 48 x 56 mm



## 1IC 7052

### Photocell lighting control switch with adjustment 2-200 Lux, 2 DIN

Provided with hysteresis and activation / deactivation delays to prevent false switching

- Power supply 230V a.c. 50 / 60Hz DIN assembly plus outdoor probe
- Output 1 changeover contact, potential-free: 16 (2) A / 250V a.c.
- Connection with cables up to 2.5 mm<sup>2</sup>
- Adjustment range 2-200 Lux adjustable
- Activation delay 8 sec ± 10%
- Deactivation delay 38 sec ± 10%
- Threshold calibration signalling LED
- Operation signalling LED Intervention threshold adjustment trimmer
- Dimensions DIN (L x W x H) 35 x 60 x 90 mm

#### EXTERNAL PROBE

- Anti-UV opaline housing
- Protection degree IP 65
- Dimensions of the probe (L x W x H) 28 x 48 x 56 mm



## 1IC 7053N

### Photocell lighting control switch with adjustment 0÷1.000 lux - 1 DIN

High performance with minimum dimensions for controlling inductive loads like fluorescent lamps or LEDs

- Power supply: 230V a.c. +/- 10%, 50 Hz
- Type of output: relay with NO potential free contacts (Cadmium free) 16A / 250V a.c. with zero crossing
- Maximum wire section at terminals: 1 mm<sup>2</sup> ÷ 6 mm<sup>2</sup>
- Threshold intervention (lux) adjustment: 0÷1.000 Lux
- Double adjustment scale
- Selector for operating mode selection:
  - always ON
  - always OFF
  - Threshold adjustment: 0÷100 Lux
  - Threshold adjustment: 0÷1.000 Lux
- Trimmer for setting threshold adjustment
- Delay in switching on / off to avoid false switching:
  - ON delay: 15 seconds
  - OFF delay: 30 seconds
- LED operating status
- Cadmium free relay
- Dimensions module (L x W x H): 17,5 x 60 x 90 mm

### EXTERNAL PROBE

- Probe with Cadmium free precision photodiode sensor anti-UV opaline housing
- Protection degree IP 65
- Dimensions probe (L x W x H): 28 x 48 x 56 mm




## 1IC 7054 - 1 channel

## 1IC 7254 - 2 channels

### "Lux-Time" twilight time switch - 2 DIN

External probe IP 65 included.

backlit display

- Power supply 230V c.a. ±10% 50Hz
- Contact output: limited current NO contact ZERO CROSSING 16 (2) A / 250V a.c.
- Max programs: 45
- ON-OFF minimum connection time: 1 minute
- Visualisation: 1" 1/3 backlit LCD display
- Maximum lighting load: Incandescent LPs 3000W  
Fluorescent tube LPs, not compensated 1100W  
Parallely comp. fluorescent tube LPs 900W (tot capacity 125 µF)  
Compact, fluorescent LPs 7 W ÷ 23 W (max. 23 lamp.)  
LED 25 x 4 W / 12 x 8 W / 8 x 15 W
- Max cross-section of wires to terminals: 6 mm<sup>2</sup>
- Protection degree: IP20 - IP40 (on rear of switchboard)
- Type of output: terminals with captive screw
- Insulation class: II 
- ON / OFF relay signal: ON/OFF in LCD display
- Charge reserve: 6 years
- Type of reserve: CR2032 replaceable battery
- Time tolerance: ± 0,5 sec/day
- ON / OFF delay adjustable 1 sec / 59 min
- Operating temperature limits: -20°C +60°C
- Storing temperature: -30°C +80°C
- Type of installation: DIN rail / on rear of switchboard
- Housing: thermoplastic - grey RAL 7035
- Type of use: civil / tertiary / industrial
- Controls: programming keys and ON/OFF key
- Clock setting accuracy: digital for hours/minutes
- Daylight saving time change: 4 geographic areas
- Dimensions (L x W x H) 35 x 60 x 90 mm



## ACCESSORIES

### 1PR EMD01 "EMD" programming key

External memory to upload / download programs



### 1PR 6092 Outdoor spare cadmium free probe for DIN photocell lighting control switch 1IC 7053N, 1IC 7052, 1IC 7054, 1IC 7254 (production XX/19)

- Outdoor wall-mount and / or pole installation
- Connection with cables from 0.75 mm<sup>2</sup> to 2.5 mm<sup>2</sup>
- Wiring with shielded cable diameter 4-8 mm
- Anti-UV opaline housing
- Protection degree IP 65
- Dimensions (L x W x H) 28 x 48 x 56 mm



### 1PR 6093 Outdoor spare cadmium free probe for DIN photocell lighting control switch 1IC 7051 (production XX/19)

- Outdoor wall-mount and / or pole installation
- Connection with cables from 0.75 mm<sup>2</sup> to 2.5 mm<sup>2</sup>
- Wiring with shielded cable diameter 4-8 mm
- Anti-UV opaline housing
- Protection degree IP 65
- Dimensions (L x W x H) 28 x 48 x 56 mm