

Astronomical time switches

Description

The hager range is composed of two Astronomical time switches EE180/EE181

That range offers the following features :

- Programming of the lighting interruption
- Automatic change of winter / summer time
- Astro program and expert program with individual Astro program steps
- Programming for day or group

of days (same concept than our existing clocks with key)

- Anticipation ON
- Maintained ON
- Temporary overrides
- Programming of holidays period
- Programming via the PC software and the associated interface (EG003)
- Weekly program

For technical details see page 403



EE180

| <i>Designation</i> | <i>Characteristics</i> | <i>Width in 17.5mm</i> | <i>Pack qty.</i> | <i>Cat. ref.</i> |
|---|---|------------------------|------------------|------------------|
| Astronomical time switch 1 channel (weekly cycle) delivered with key EG005 | 230V~ , 50Hz changeover contact 16A AC1 operating reserve lithium battery 5 years | 2 | 1 | EE180 |
| Astronomical time switch 2 channels (weekly cycle) delivered with key EG005 | 230V~ , 50Hz 2 changeover contacts 16A AC1 operating reserve lithium battery 5 years | 2 | 1 | EE181 |

Twilight switches

Description

A photo-electric cell measures the light level and in conjunction with the relay provides ON / OFF control of a circuit.

This device controls lighting circuits in relation to ambient light, based on user settings.

Front cover sealability

Applications

Street lighting, display lighting, illuminated signs etc....

Connection

protected cable clamps
capacity :
rigid : 1.5 to 10mm²
flexible : 1 to 6mm²
on board LED shows status of changeover contact.

Technical data

4 position override switch allowing :

- auto : normal operating mode
- on : permanently switched on
- off : permanently switched off
- test : setting mode for easy adjustment

output : 1 changeover AC1
contact 16A AC1 230V
8A AC1 (EE701)

Maximum distance : 50m
between photocell and controller

Must be used in conjunction with a suitable rated contactor

For technical details see page 403



EE110



EE170



EE702



EE002



EE003

Designation

Characteristics

Width in 17.5mm

Pack qty.

Cat. ref.

Twilight switch delivered with a separate surface photo electric cell (EE003)

3

1

EE100

Twilight switch delivered with a separate flush photo electric cell (EE002)

3

1

EE101

Programmable twilight switch with surface cell

daily cycle
electromech. switch

5

1

EE110

Programmable twilight switch with surface cell

weekly cycle
electronical program
8 presetted programs

3

1

EE170

Programmable twilight switch with surface cell

weekly cycle
electronical program
free setting

3

1

EE171

new

Compact light switch basic 8A (without settings)

230V~ 50 Hz
normally open contact (cutting phase)
8A AC1
IP55 / Integrated cell
1000W incandescent

-

1

EE701

Fix lux : 10...30lux
Fix ON delay : 40s/OFF delay:120s

new

Compact light switch enhanced 16A (with settings)

230V~ 50 Hz
normally open contact (cutting phase)
16A AC1
IP55 / Integrated cell
2300W incandescent

-

1

EE702

Fix lux : 2 to 1000 lux
Time settings : from 1s to 120s

Flush cell

IP54 for EE100, 101, 110 & 170

1

EE002

Surface cell

IP54 for EE100, 101, 110 & 170

1

EE003