



### Safety Recommendations:

- Installation should only be carried out by a suitably qualified electrician.
- Observe the installation regulations of the protection measures SELV.

### Warranty

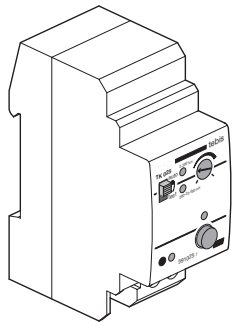


A warranty period of 24 months is offered on hager products, from date of manufacture, relating to any material of manufacturing defect. If any product is found to be defective it must be returned via the installer and supplier (wholesaler). The warranty is withdrawn if:

- after inspection by hager quality control dept the device is found to have been installed in a manner which is contrary to IEE wiring regulations and accepted practice within the industry at the time of installation.
- the procedure for the return of goods has not been followed.

Explanation of defect must be included when returning goods.

6T 7121.b



## TK 025, TK 026

### Operating principle

This product is mainly intended for automatic control of inside/outside lighting circuits (ON/OFF and dimming controls) and blinds or rolling shutters according to ambient lighting level.

Associated with an external probe, this light-sensitive switch measures natural lighting and controls circuits according to a preset threshold range of 2 to 20000 lux.

Several light sensitive switches may be chained to increase the number of channels. In this case, only one probe is connected to one of the light sensitive switches.

### Setting lighting threshold

After configuration:

1. Set switch ① to the test position (threshold)
2. Press push-button ⑥ (one of indicators ② or ③ lights on) to select the gauge (2... 200 lux or 200... 20000 lux).
3. Switch back auto/manu/test switch to the desired mode
4. Set switch ① to "test" position; at the selected moment of the day, turn the setting potentiometer ④ up to the switching threshold (indicator light ⑤ switches on).
5. Set back switch ① into "auto" position, as the normal operating mode of equipment.

### Kit TK 026

Kit TK026 includes:

- 1 light sensitive switch TK 025
- 1 wall-mounted light sensor EE 003.

### Compatible lighting probes

- Flush-mounted light sensor EE 002
- Wall-mounted light sensor EE 003.

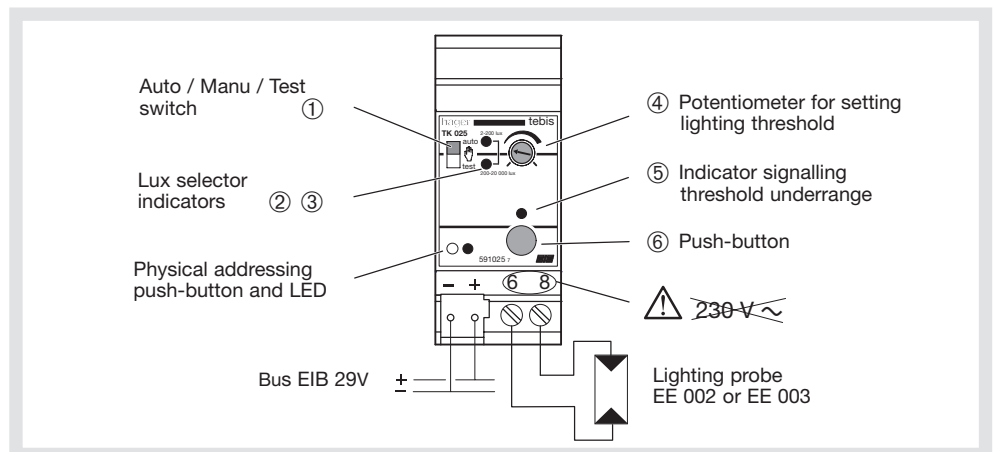
### Indicator light displays

Switch ① set to auto or test position	
Indicator signalling threshold underrange	Indicator light goes on when the value measured is lower than threshold set.
Indicator for selecting gauge	Indicator ② is on when gauge 2 ... 200 lux is selected. Indicator ③ is on when gauge 200 ... 20000 lux is selected. Indicators ② and ③ flicker alternately when probe is not connected or faulty.

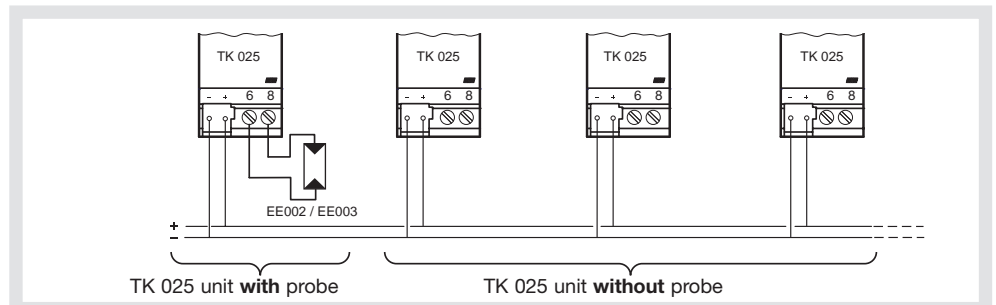
### Examples of lighting levels

Lighting Conditions	Average lighting lux value
Full moon	< 1 lux
Bright street light at night	20 ... 70 lux
Very cloudy sky	1500 ... 2000 lux
Cloudy sky	4000 ... 5000 lux
Outside shaded area	10000 ... 15000 lux
Sunshine	> 15000 lux

### Electrical connection



### Chaining of TK 025 units



### Installation recommendations

1. Install the module at the bottom of enclosure to prevent excessive operating temperature.
2. Connect module to bus EIB.
3. Connect probe EE 002 or EE 003 if necessary.
4. Follow the instructions of system requirements.
5. To ensure a good working of the light sensitive switch, the lighting probe must not be influenced by artificial light or direct solar radiation and has to be sheltered from dust and humidity.

### Technical Specifications

#### Electrical characteristics

- Supply voltage: bus EIB 29 V
- Maximum connection distance of probe: 100m.

#### Functional characteristics

- Operating range:  
2 to 200 lux  
200 to 20000 lux

#### Environment

- TK 025 : Operating T° : 0 °C to +45 °C
- Probe : Operating T° : - 30 °C to +60 °C
- TK 025 : Storage T° : - 20 °C to +70 °C
- Probe : Storage T° : - 30 °C to +70 °C

#### Connection

- Capacity: flexible: 1 mm<sup>2</sup> to 6 mm<sup>2</sup>  
rigid: 1,5 mm<sup>2</sup> to 10 mm<sup>2</sup>
- Probe:  
Use dual insulation cable for connecting wall-mounted sensor EE 003 or for extending cable of flush-mounted sensor EE 002.

#### Dimensions

- Size: 2 modules.