



**UK Technical Data 05**  
**Dasy 016-230 V TC - we(white) or an (anthracite)**  
**Twilight lighting control unit with time control function**  
**(outdoor mounting)**



**Function**

Dasy control units designed for outdoor mounting, switch on when the daylight level drops below a preset value (potentiometer setting) and switches off again when the light level exceeds 1.5 x the set value (fixed hysteresis). The TC variant provides an integrated time switch function for energy-saving lighting control during the night when the lighting may not be required.

**Features**

Integrated time switch for energy-saving during the hours when lighting is not required. Wide adjustment range of 1 lux ... 200 lux and high switching stability, quick and precise adjustment of switching values thanks to logarithmic characteristics and instant LED, significantly reduced sensitivity to visual feedback through fixed hysteresis, no undesired switching when there are short-term changes to the ambient brightness, temporary suppression of switching delay after adjustment for immediate load test, zero point switching for the direct control of large lighting loads. Ample connection space for cable glands and ease of wiring.

**Mounting**

For mounting directly to a flat wall or post using the optional mounting kit.

**Applications**

Control of lighting for streets, buildings and industrial premises.

**Notes**

Not suitable for switching low current / low voltage loads.

**Accessories**

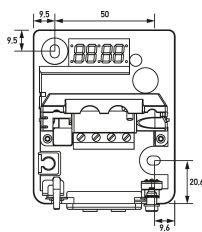
Fastening sets

**Technical Data**

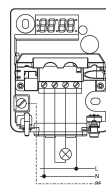
| Technical Data                              | Dasy 016-230 V TC - ** |
|---|------------------------|
| Series                                      | Dasy TC                |
| Contact configuration                       | 1 N/O                  |
| Manual operating mode possible              | false                  |
| Adjustability, delay                        | fixed                  |
| Switch-on delay range                       | max. 10 s              |
| Switch-off delay range                      | max. 40 s              |
| Adjustability, switch-on threshold twilight | Smooth, logarithmic    |
| Switch-on threshold range shading twilight  | 1 lux ... 200 lux      |
| Adjustability of twilight hysteresis        | fixed                  |

| Technical Data  | Dasy 016-230 V TC - we                    |
|---|---|
| Switch-off threshold hysteresis factor                  | 1.5                                       |
| Twilight switch-off threshold range shading             | 1 lux ... 200 lux                         |
| Operating voltage (AC)                                  | 115 V, 230 V (207 V ... 253 V)            |
| Operating frequency                                     | 50 Hz, 60 Hz                              |
| Internal consumption                                    | max. 2.5 W                                |
| Type  | LED                                       |
| Specification   | Relay                                     |
| Rated voltage (AC)                                      | 230 V                                     |
| Rated current (AC)                                      | 16 A                                      |
| Rated power   | max. 4000 VA                              |
| Rated frequency   | 50 Hz                                     |
| max. Rated power LED                                    | 400 VA                                    |
|   | Screw-type terminal (Load circuit)        |
| Clamping area   | 0.4 mm <sup>2</sup> ... 4 mm <sup>2</sup> |
| Tightening torque                                       | max. 0.5 Nm                               |
| Connection C2 Maximum number of conductors per terminal | 2   |
|   | General data                              |
| Operating position                                      | tilted 90°                                |
| Mechanical endurance                                    | min. 100 · 10 <sup>6</sup> cycles         |
| Electrical endurance                                    | min. 1 · 10 <sup>6</sup> cycles           |
| Ambient temperature                                     | -40 °C ... 45 °C                          |
| Housing type  | wall-mounted housing                      |
| Mounting type   | Mast assembly                             |
| Housing material  | Polycarbonate (PC)                        |
| Housing colour  | signal white (similar to RAL 9003)        |
| Protection class  | IP54                                      |
| Width   | 70 mm                                     |
| Height  | 90 mm                                     |
| Depth   | 53 mm                                     |
| Design requirements/Standards                           | EN 60669-1                                |

**Dimensions**



**Wiring example**



**Diagrams**

