



UK Technical Data 03

DTSW Astro 1

electronic timer with sunrise and sunset times.

Function

The DTSW Astro 1 is a digital time switch with astronomical synchronisation that has been developed for the control of electrical systems that require solar reference parameters, especially sunrise and sunset times at a specific location on each day of the year. It can carry out specific actions at a specific time of day and switch on or off when the sun rises or sets. A correction value can be specified for channels C1 and C2 for the astronomical processes. The time switch also has a range of additional functions such as automatic daylight saving adjustment, four holiday periods and adjustable screen brightness. The menus can be displayed in multiple languages and a schedule can be viewed on the display, which represents the plan for the current day. The device has two volt-free circuits that allow for up to 40 actions to be programmed for channel 1 and/or channel 2.

Features

Menu-guided programming, universal Time programs: Sunrise, Sunset, Hourly repetition operation, Daily repetition operation, Weekly repetition operation, Holiday operation, 40 Program memory, very high power reserve (48 h without battery and power supply, 10 years with battery), 2 CO, 16 A / 250 V AC, Operating voltage: 230 V AC, compact dimensions

Mounting

Quick fastening to mounting rail, any installation position

Applications

Suitable for domestic, commercial and similar installations.

Notes

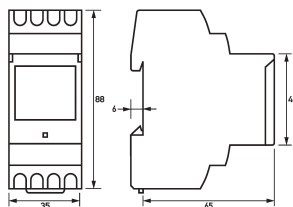
This device contains a battery that must be removed before disposing of the device and disposed of separately in suitable collection bins.

Technical Data

Technical Data	DTSW Astro 1
Series	DTSW Astro 1
Time programs	Sunrise, Sunset, Hourly repetition operation, Daily repetition operation, Weekly repetition operation, Holiday operation
Time switch, number of memory slots	40
Accuracy rate range	-1 s/Tag ... 1 s/Tag (at 23 °C)
Power reserve	48 h
power reserve with battery	87600 h
Switching operation type	off, on
Switching interval	1 min ... 1 w
Number of (n.o, n.c.,change-over)	0 0 2
	Supply voltage (Battery, Mains voltage)
Operating voltage (AC)	230 V
Operating frequency	50 Hz ... 60 Hz
Internal consumption	max. 1.3 W
	Display Menu, Output state, Time

Technical Data	DTSW Astro 1
Type	LC display (alphanumeric)
	Load circuit
Specification	Relay
Rated voltage (AC)	250 V
Rated frequency	50 Hz ... 60 Hz
max. Rated power energy saving lamp	600 VA
max. rated power glow lamps	3000 VA
max. rated power HV halogen lamps	3000 VA
max. Rated power low-voltage halogen lamp	2000 VA
max. Rated power fluorescent lamp compensated	1200 VA
max. Rated power fluorescent lamp not compensated	1200 VA
max. Rated power LED	600 VA
Clamping area	max. 4 mm ²
	General data
Operating noise	Low switching noise
Operating position	any
Storage temperature	-20 °C ... 60 °C
Ambient temperature	-10 °C ... 45 °C
Housing type	Distributor housing
Mounting type	Mounting rail (35 mm)
Housing material	Polycarbonate (PC)
Protection class	IP20
sealable	true
Width	35 mm
Height	88 mm
Depth	65 mm
Installation depth	60 mm
Width (modules)	2
Design requirements/Standards	EN 60529, EN 60335-1
Protection class according to EN 60335	II

Dimensions



Dimensional drawing Group view