



AHD16T Digital Astronomical time switch

The AHD16T astronomical time switch automatically turn ON/OFF at the preset longitude and latitude, time zone. You don't need to adjust your timer to keep up with changing sunrise/sunset times.

Application

AHD16T fits for the particular use of the following tasks: Illumination of private and industrial areas, street and shop-window lightening, regulation of air conditioning, flushing, motors, pumps, plants and machinery as well as to simulate presence etc.

Description

● Longitude range: east longitude / west longitude 0 ~ 180°	● Automatic key lock function, effectively prevent misuse.
● Latitude range: latitude / latitude 0 ~ 68°	● Time zone range: 12 ~ -12
● 8 ON/OFF program	● Screw terminals
● Switching preselection	● Preset date and time
● Fully operable without mains connection	● 12/24 hour format conversion
● Built-in lithium battery, power failure memory	● Manually set Daylight Saving Time(1 Hours)
● The sunrise and sunset time can be checked according to the setting longitude, latitude, date and time zone.	

Product selection

Voltage	AC220V (85~110%)
Frequency	50Hz
Terminal	5
Switching capacity	16A

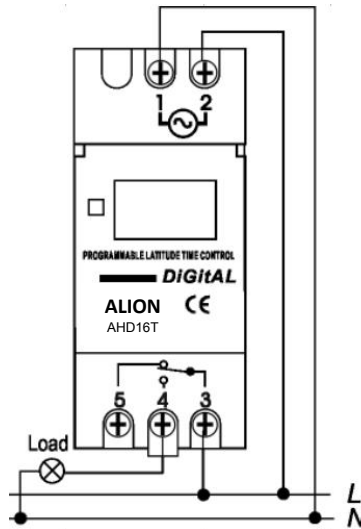
Maximum recommended load (10,000 operations)

Filament / Halogen lamp 230V	Energy saving lamps	LED lamp < 2 W	LED lamp 2-8 W	LED lamp > 8 W	Fluorescent lamp load (electronic ballast)
2600 W	170 W	30 W	100 W	120 W	650 W

Technical date

Fluorescent lamp load (conventional) not corrected	1000VA
Fluorescent lamp load (conventional) series-corrected	1000VA
Fluorescent lamp load (conventional) parallel-corrected	730 VA 80μF
Minimum interval	1 Min.
Time accuracy at 25 °C	± 2 Sek./day (quartz)
Power reserve	approx. 5 years
Housing and insulation material	Self-extinguishing thermoplastic
Type of protection	IP 20
Class of protection	II according to EN 60 730-1
Permitted ambient temperature	-10 ~ +50 °C (non-icing)
Test approval	CE

Wiring diagram



Dimensions

