



AHC15T series Digital Astronomical time switch

The AHC15T astronomical time switch automatically turn ON/OFF at the preset sunrise/sunset time based on data stored in the database. You don't need to adjust your timer to keep up with changing sunrise/sunset times.

Application

AHC15T 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

<ul style="list-style-type: none"> Latitude set North: 1 ~ 66° and South: 1 ~ 66° 	<ul style="list-style-type: none"> Program follows / non-follow the sunrise / sunset
<ul style="list-style-type: none"> Perpetual calendar (40 years) 	<ul style="list-style-type: none"> Screw terminals
<ul style="list-style-type: none"> 8 ON/OFF program 	<ul style="list-style-type: none"> Auto-correct time ($-30 \text{ sec} \leq \Delta t \leq 30 \text{ sec}$)
<ul style="list-style-type: none"> Switching preselection 	<ul style="list-style-type: none"> Preset date and time
<ul style="list-style-type: none"> Fully operable without mains connection 	<ul style="list-style-type: none"> 12/24 hour format conversion
<ul style="list-style-type: none"> Built-in lithium battery, power failure memory 	<ul style="list-style-type: none"> Manually set Daylight Saving Time (1 Hours)
<ul style="list-style-type: none"> Program follows / non-follows the change in Daylight Saving Time 	

Product selection

Voltage	AC/DC 12V or AC/DC 24V or AC 110V or AC220V
Frequency	50Hz or 60Hz
Terminal	3 or 5
Switching capacity	16A or 20A

Maximum recommended load (10,000 operations)

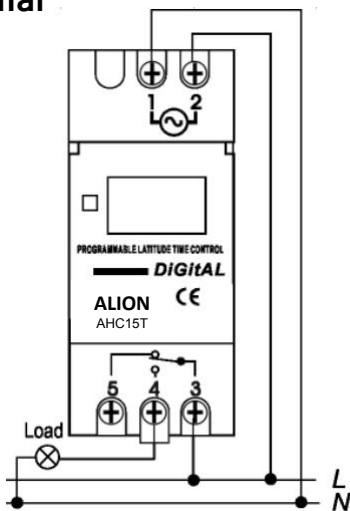
Filament / Halogen lamp 230V	Energy saving lamps	LED lamp < 2 W	LED lamp 2-8 W	LED lamp > 8 W	Fluorescent lamp load (electronic ballast)
2600 W	170 W	30 W	100 W	120 W	650 W

Technical date

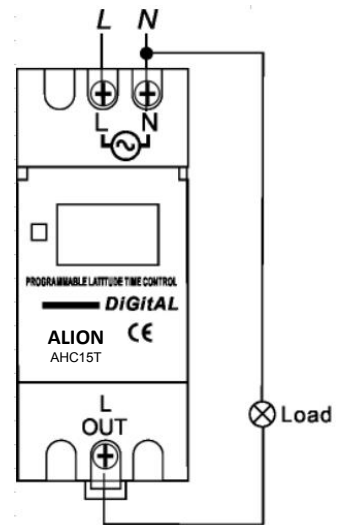
Fluorescent lamp load (conventional) not corrected	1000VA
Fluorescent lamp load (conventional) series-corrected	1000VA
Fluorescent lamp load (conventional) parallel-corrected	730 VA 80μF
Minimum interval	1 Min.
Time accuracy at 25 °C	± 2 Sek./day (quartz)
Power reserve	approx. 5 years
Housing and insulation 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

5 terminal

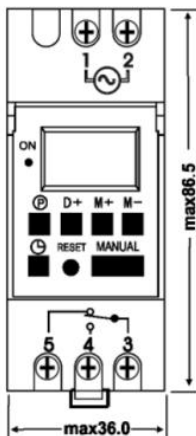


3 terminal



Dimensions

5 terminal



3 terminal

