

2-Channel Astronomical Digital Time Switch

This 2-channel astronomical digital time switch is designed for precise time-based control in various applications. The device automatically adjusts switching times based on astronomical calculations, removing the need for manual adjustments.



ADDITIONAL IMAGES



Overview

Intelligent Astronomical Timing

This 2-channel astronomical digital time switch provides precise, location-based control for lighting and industrial systems. By automatically calculating sunrise and sunset times based on your specific longitude, latitude, and time zone, it eliminates the need for manual adjustments. Featuring a built-in battery for power failure protection and support for holiday scheduling and daylight saving time, it offers a reliable, set-and-forget solution for automated energy management.

Electrical Specifications

Voltage	220 V
Frequency	50 Hz
Switching Capacity	16 A
Terminal Count	8

Load Capacities

Maximum Recommended Load (10,000 operations)

Lamp Type	Max Load
Filament / Halogen 230V	2600 W
Compact Fluorescent	200 W
LED > 5 W	200 W
Fluorescent (Electronic Ballast)	650 W
Fluorescent (Uncompensated)	1000 W
Fluorescent (Series Compensated)	1000 W
Fluorescent (Parallel Compensated)	550 W

Technical Details

Protection Class IP 20 • Class II	
Minimum Interval	1 Min
Time Accuracy	d± 2Sek./day (quartz)
Ambient Temperature	-10 ~ +50 °C (non-icing)

Features

Astronomical Calibration Ranges

180 degrees

Longitude

68 degrees

Latitude

12 offset

Time Zone

Core Functionality

2 Channels, Built-in Calendar (2019-2049), Holiday Programs, Daylight Saving Support, Power Failure Backup, DIN35mm Rail Mount