PROGRAMMABLE ASTRO-SWITCH

FEATURES

• Works on Astronomical principles
• Calculates SUNSET & SUNRISE time based on the earth’s orbit around the sun and rotation on its own axis
• Accepts longitude and latitude data to determine location of astro-switch on earth
• Accurate calculation of SUNSET & SUNRISE times on any longitude and between 65° north to 65° south latitude
• PC connectivity through an adapter to program the data
• Data retained in non-volatile memory

BENEFITS

• One time programming at the time of installation
• Automatically changes the switch ON & OFF times based on day length
• No need to change ON/OFF switch times every few days
• Saves power by switching ON the lights just for the right amount of time

APPLICATIONS

• Street lighting, commercial compound lighting, high-tower avionic lighting
• Decorative / highlight lighting, advertising signage
• Staircases, patios, courtyards, gardens, common living areas

TECHNICAL DATA

Operating voltage: 230V AC, ± 10%, 50Hz, 1Ph
Output relay rating at 230V AC: Resistive load 5A, (optional 20A)
Terminals: Accept Max. 2.5 sq. mm cable
Permissible ambient temp.: -20°C to +40°C
Protection: IP 30
**MODEL DESIGNATION**

A S T - **16** -

Operating voltage
230 V AC ± 10%, 50Hz, 1Ph

Fixed

Load
20 = 20Amp. at 240V AC/ for resistive load / Ballast
05 = 5Amp. at 240V AC

CONSTRUCTION

1. DIN Rail mounting as per DIN Rail specification (DIN 46277-3)
2. Flush mounting with two screws as shown above

WIRING DIAGRAM

230V AC Input

To Load

N
O/P
L

Subject to technical alteration