



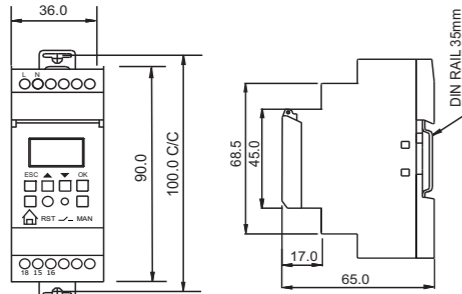
ASTRO DIGITAL TIME SWITCH 1 CHANNEL

RS Stock No's:

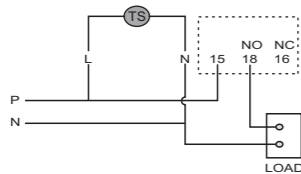
896-6888

OVERALL DIMENSIONS:

Base / Din Rail Mounting



CONNECTION DIAGRAM:



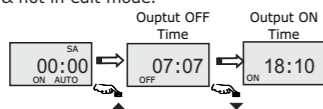
TERMINAL DETAILS :

	0.54 N.m (5 Lb.in) Terminal screw - M2.5
	1 x 0.2....3.3 mm ² Solid Wire
AWG	1 x 24 to 12

Use Copper Conductors Only, 60/75° C.

Viewing the Output ON & OFF Time for the Day

To view OFF & ON time for the day, press '▲' & '▼' respectively. This is possible only when the device is in run mode & not in edit mode.



Setting AM/PM (12 Hour) or 24 Hour Display

To change the time format from 12 h to 24 h & vice versa, press '▲' & 'MAN' keys simultaneously.

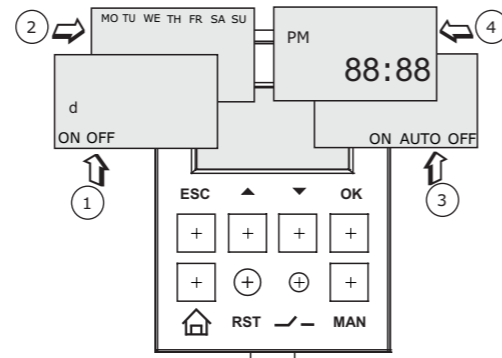
NOTE:

- If DST is applicable in your region, first set the DST and then set the clock.
- Due to properties of some lamps, it might take a few minutes for the lamps to illuminate completely even after the output has been switched ON.
- Product innovation being a continuous process, we reserve the right to alter specifications without prior notice.

CAUTION:

- Always follow instructions stated in this manual.
- Before installation ensure that the specifications agree with the intended application.
- Installation should be done by skilled electrician only.
- Inductive loads should be equipped with interference suppressors like varistors, RC snubbers.
- Use of contactors is recommended if load exceeds the contact rating.

DISPLAY:



- 1 : Relay Status Indication
d : DST Enabled;
- 2 : Day of week display
- 3 : Mode
- 4 : Hours/minute indication (HH:MM)

KEYPAD:

- ESC : Previous Menu / Undo Change OR To lock / unlock keypad alongwith key
- ▲ : Menu scroll up / Increase parameter value OR To view output OFF time in Standby mode
- ▼ : Menu scroll down / Decrease parameter value OR To view output ON time in Standby mode
- OK : To enter the programming mode, select a particular parameter to edit and apply the changes.
- : Exit the programming mode OR 12/24 hour clock mode selection alongwith MAN key
- RST : Reset Key to Reset programs or settings to the default
- : Relay 'ON/OFF' LED indication.
- MAN : Manual Override Key OR 12/24 clock mode selection alongwith key

MODE DESCRIPTION:

- AUTO:** As per set program.
- ON AUTO:** Manual ON up to next auto event.
- AUTO OFF:** Manual OFF up to next auto event.

To change the mode from 'Auto' to other modes & vice-versa, press 'MAN' key for 3 seconds. The Auto option at the bottom of the screen will change to 'ON Auto' or 'Auto OFF' depending on the output status.

MENU:

Following are the four Main Menus & listed below them are the Sub-menus: To Enter in Menu, press OK key & to scroll within menu, press '▲' & '▼'.

- i. LOC (Location):**
 - a. Code*
 - b. Lat
 - c. Long
 - d. GMT
- ii. DTTM (Date - Time):**
 - a. DST
 - b. Date
 - c. Time
- iii. OUT (Output):**
 - a. TWLT (Twilight Mode)
 - b. OFSR (Rise Offset)
 - c. OFSS (Set Offset)
- iv. OTH (Other Features):**
 - A. OFHR (Off Hours)
 - B. WOFF (Weekly Off)

PROGRAMMING PROCEDURE:

Important:

If DST is applicable at the place of installation of the product, then first enable the DST by selecting 'Yes' option for DST in the 'Clock' menu and then set the DST period.

- Press 'OK' key to enter the Main Menu. Use '▲' & '▼' keys to make selection between 'LOC', 'DT:TM', 'OUT' & 'OTH' and again press OK to select a particular option.
- At the time of dispatch the clock has been set to GMT. So to set the clock to the local time, just change the time zone (GMT) in the 'LOC' menu to the local time zone. For e.g. If you are installing the product in India then just change the GMT to '+5:30'. The clock will be automatically set to the local time.

This feature will not work if the product is reset by pressing the reset key. In such a case the user will have to manually set the clock as well as GMT.

- To set the clock, select 'DT:TM' from the main menu by pressing 'OK' key. Now use '▲' & '▼' to make selection between 'DST', 'Time' & 'Date'. Use 'OK' key for selection & '▲', '▼' keys to change parameter value and again press OK to confirm the changes.

- Set the Latitude & Longitude as per the place of installation. To set these parameters, select 'LOC' from the main menu. Use '▲' & '▼' keys to make selection between North & South for latitude and East or West for Longitude. Set the values by using '▲' & '▼' keys and then press OK key to confirm the values.

- To set Trigger mode & Offset, select 'OUT' from the main menu using 'OK' key and then use '▲' & '▼' keys to select between 'Twilight', 'Rise offset' & 'Set offset'. Use 'OK' key for selection & again '▲', '▼' keys to change parameter value.

- To set other parameters like Weekly OFF & OFF Hours, select 'OTH' menu using 'OK' key.

KEYPAD LOCK:

To lock the keypad, press the and the 'ESC' key simultaneously for 3 seconds.

'bLoC' will appear on the screen indicating that the keypad has been locked.

When the keypad is locked none of the parameters can be edited, only the mode can be changed from 'Auto' to 'ON Auto' and 'Auto Off'.

To unlock the keypad, repeat the same procedure.

The keypad can be locked only in Run mode and not in Edit mode

SETTING THE ASTRONOMICAL PARAMETERS (EXAMPLE: NORTH BROOK)

Date: 1 January 2010; Time: 11:30 A.M.
Latitude: N 42° 08'; Longitude: W 87° 50'
Time Zone: (GMT - 6:00)

DST: Start - 3rd Sunday of March
End - 4th Sunday of October

