

2-RELAY TIME SWITCH



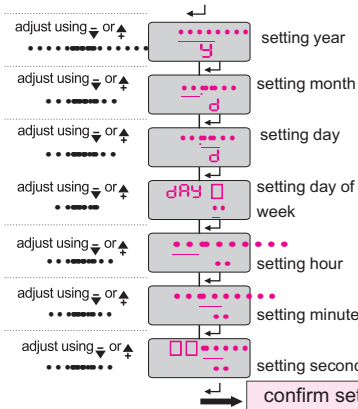
MODEL: STB-2RM
CODE: 12B8
WEIGHT: 175 gr
(72 x 86 x 60) mm
IP 30



SCAN QR TO VIEW
THE PRODUCT

The 2-relay time switch offers 90 adjustable daily, weekly, and monthly programs with each having an OFF and ON time. Moreover, one or both of the outputs can be selected for each program. Adjustable parameters in the daily, weekly, and monthly modes are as follows:
Daily: hour, minute, and second
Weekly: hour, minute, second, and day of the week
Monthly: hour, minute, second, day of the month.
In the daily mode, the operating days can be activated/deactivated with respect to the days in the week or month, and in the monthly mode, with respect to the days in the week..

start adjustment using \leftarrow



Example: Assume the timer and date for the command should be set on the date Friday 17/08/2018 at 12:25:25".

The weekdays are defined as follow

- Sunday
- Monday
- Tuesday
- Wednesday
- Thursday
- Friday
- Saturday

Features

- Lithium batteries with a durability of more than 5 years (removable)
- Ability to store date, hour, and all the settings in case of power outage
- Displaying:
 - Date, hour, and weekdays,
 - Errors and adjustable messages
- 4 indicators to display different programs
- Capabilities:
 - Activating or deactivating programs in specific days
 - Adjustment of the rates with a minimum precision of 1 second and maximum precision of 1 month.
 - Execution of 90 different programs on a daily, weekly, or monthly basis
 - Adjustment of output for each program.
 - Displaying relay output

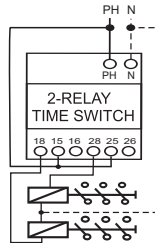
Technical specifications

- Supply voltage: 180-250 VAC / 50-60 Hz
- Ambient conditions:
 - Temperature: -20 to +65
 - Humidity: 70%
- Output: 2 Relays (16A)

Installation manual

Mount the device at the desired level on the rail inside the enclosure or using the rail provided in the package (use the Shiva Amvaj Panel Case for mounting outside the enclosure). Then, connect the supply voltage and adjust according to the instructions.

Note 1: Avoid directly connecting capacitive loads, switching, or LED drivers to the device as such consumers drain excessive start-up currents. Instead, external relays or appropriate contactors must be used.



Timer and date adjustment

Note: In the tables, the bold underlined texts indicate the blinking mode, while the symbol \square indicates an OFF digit. Values and numbers can be changed using the ∇ , \blacktriangle buttons, and changes can be accepted by \leftarrow . The allowed range for each parameter is demonstrated below \blacktriangle , ∇ .

Note: The maximum value for day depends on the adjusted month and year, which can be 31, 30, 29, or 28.

Note: Changing the hour and date is applied only when all the adjustment steps are taken.

Note: If the battery is empty, the message bat starts blinking on the screen, which requires changing the battery and re-adjusting the timer.

Adjusting on the daily mode

Example 1: Assume the two following commands are to be set on a daily basis by the device:

- Turning on at 7:15:15" and turning off at 15:47:20".

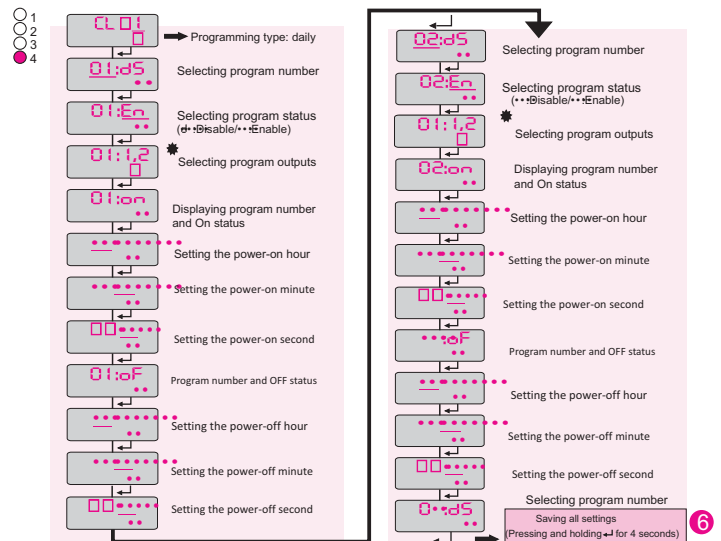
- Turning on at 16:25:37" and turning off at 15:47:20".

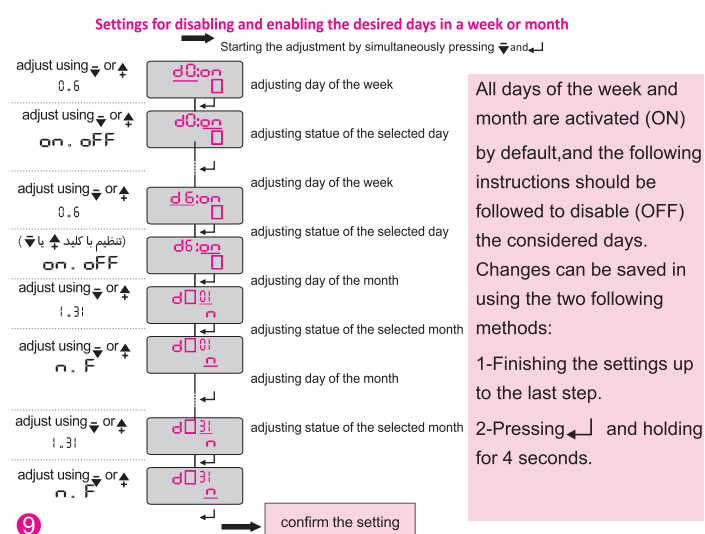
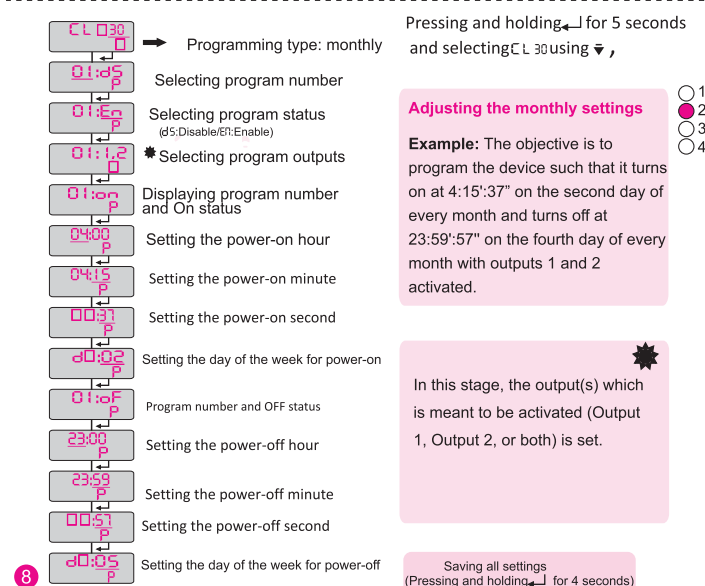
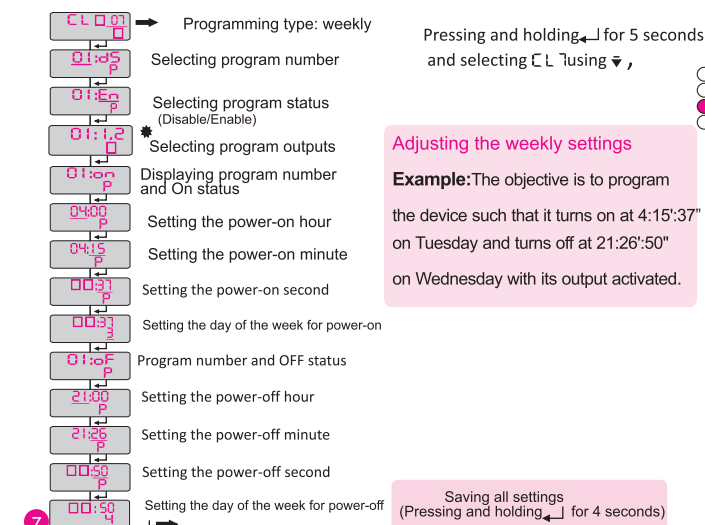
To set these two programs, follow the instructions in Page 6. Note the followings before starting the adjustment:

- 1- If you need the program to turn on a daily basis, set the configurations in the daily menu (you can also deactivate the program on some days if required).
- 2- When finished programming, you can save the settings and exits by
 - Pressing and holding the button \leftarrow for 4 seconds
 - Adjusting all the programs (each of the 50 programs)
- 3- To exit the adjustments without saving:
 - Simultaneously press ∇ , \blacktriangle
 - Leave the device idle for 30 seconds.




To start the adjustment process (daily, weekly, monthly), press and hold \leftarrow for 5 seconds, after which the word **CL** appears on the device display

Pressing \leftarrow and holding for 5 seconds and selecting **CL** using ∇ , \blacktriangle





Disabling all programs



By pressing and holding  and the symbol  along with a countdown from 5 appears on the screen. Once the countdown reaches zero, all the programs are disabled (In case some days of the month of week have been disabled, they are all activated by pressing and holding )

Indicators


5 indicators are available on the panel, two of which indicate the status of outputs, while the remaining three represent the monthly, weekly, and daily modes. The activated indicator shows the program currently set on the device.

Possible Error

When programming the device, one of the two following errors may appear on the screen, which will remain until you re-enter the settings and resolve the problem.

- 1- If duplicate programs with the same power-off and power-on times exist, the error  appears, where nn is the program number.
- 2- If two programs interfere, the error  is displayed, where mm and nn are the numbers for the interfering programs.

Solution

- 1- Disable all the programs (which can be done by pressing and holding  for 5 seconds), and reprogram the device.
- 2 - Enter the settings and modify the programs indicated by the error.

Note 1: The same instructions should be followed if you intend to enter multiple programs. The only difference is the program number which should be changed accordingly.

Note 2: The lit indicator for the output shown the active status of the relay.



Respecting the customer is our duty

3 year no question asked guarantee under these conditions;

- 1-at most it should be within 3 years from the date printed on the label of the product
- 2-the label on the product should be safe and sound

Shiva Amvaj products in accordance with international standards and with a 3 year no question asked guarantee are presented

ISO 9001-2015



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