SUPER DIGITAL TIMER

Introduction

ShivaAmvaj Super Digital Timer is an accurate, highly effective timer capable of measuring a wide range of time intervals (0.1 second to 999 hours). The timer may also serve as a flasher supporting 4 different mode including one-tenth of second, a second, a minute and an hour. The device can be used as a delay timer configurable for delay ON . It's power supply is independent of START terminals

SCAN QR TO VIEW THE PRODUCT

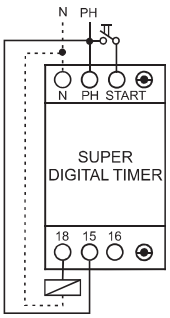
MODEL :DTJN-8M
CODE:14JN3
WEIGHT : 107gr
(36 x90 x65) mm
IP 30

Features

- Fully microprocessor-controlled system with a high accuracy (0.1 Sec)
- Indicators : Time value / Function mode / Relay Status
- 8 different function modes Timer: 0.1 Sec / Second / Minute / Hour Flasher: 0.1 Sec / Second / Minute / Hour
- Setting relay status (ON or OFF) upon starting time measurement

Operation

- Power/Start Supply Voltage :180-250 VAC/50-60 Hz
- operating conditions: Temperature: -20°C .. +65°C / Humidity: 70%
- Output: 5A Relay



Installation Instructions

Install the device on the desired surface using either the rail already mounted on the panel or the rail provided separately in the box.After installing device, connect the terminals according to the diagram and connect power circuit.

Please note that the OFF/ON timer starts measuring according to the adjusted program, which is explained in Programming Section. To reset the timer for new measurements, unplug the START input and the device will be ready according to its previously set value.

Avoid connecting capacitance or switching load or LED drivers to the device directly due to Excessive current of set up in these Consumers .Use appropriate output relay or contractor in these situations.

Device Configurations

Once the supply voltage is connected, the device is turned on, ready to be configured. Depending on the application, select one of the following 8 modes:

1- One-tenth of a second mode: 0.1 to 99.9 seconds
2- second mode: 1 to 999 seconds
3- minute mode: 1 to 999 minutes
4- hour mode: 1 to 999 hours
5- One-tenth of a second flasher mode: 0.1 to 99.9 seconds
6- 1-second flasher mode: 1 to 999 seconds
7- 1-minute flasher mode: 1 to 999 minutes
8- 1-hour flasher mode: 1 to 999 hours

1- By pressing ↵ , "Mode" starts blinking on the screen.
2- Select one of the above mentioned modes using the buttons ▲ and ▼.
3- Repress ↵ and enter your desired value using ▲ and ▼ .

Note: Flasher modes require two separate values which determine ON and OFF durations.

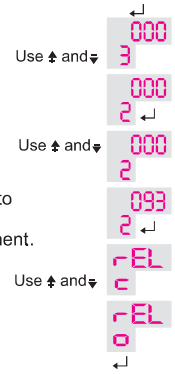
4- Repress ↵ and select between the two relay states ⊏ (CLOSE) and ⊐ (OPEN) for the start of time measurement.
5-measurement is started upon connecting the start input

SHIVA Amvaj

An Example of Configuring the Device in Timer Mode

Assume the timer is to be programmed to remain OFF for 93 seconds after receiving the start command, and is then turned ON. Among different modes, mode 2 suits the problem best. The following steps are required to program the super timer:

1-Press ↵ to see "Mode" blinking on the screen.
2-Use ▲ and ▼ to enter the number 2.
3-Press ↵ to see "Time" blinking on the screen.
4-Use ▲ and ▼ to enter "93".
5-By repressing ↵ ,the following sign is displayed in order to determine relay status at the beginning of time measurement.
6-Use ▲ and ▼ to select ⊐ (OPEN) state.
7-Pressing ↵ saves the settings.



Now the timer is ready to use. Disconnecting and reconnecting the START input with a voltage of 220V is interpreted by the timer as a start command. Upon receiving the command, the "Mode" on the screen starts blinking as a sign of beginning measurement, and 93 seconds later the output relay is connected.

Note: in this example, if you need the device to stay ON for 93 seconds, and is then turned OFF, select ⊏ (CLOSE) instead of ⊐ (OPEN) in step 6.

Considering the device may be configured both during and after the current operations, if you decide to enter and execute a new program during time measurement (especially when the timer is programmed for long durations of measurements), you need to first disconnect the device START, reprogram the device and then reconnect the START. The device therefore starts executing the new program. Alternatively, if you program the device during time measurement, the new program will execute only after the previous program has finished executing.

* While using the buttons ▼ and ▲ , the longer they are pressed, the faster the displayed value changes. If no buttons are pressed within 8 seconds, the system automatically exits programming.

An Example of Configuring the Device in Flasher Mode

You may use the device for repeated switching between ON and OFF status. For example, if you want a device to work for 90 minutes and then switch off for 180 minutes on a repeated basis, select mode 7 as it best suits the problem. The following procedure shows how to program the timer properly:

1-Press ↵ to see "Mode" blinking on the screen.
2-Use ▲ and ▼ to enter the number 7.
3-Press ↵ to see "Time" blinking on the screen.
4-Use ▲ and ▼ to enter "90".
5-By pressing ↵ , "Time" and "Mode" start blinking.
6-Use ▲ and ▼ to enter "180".
7-By repressing ↵ , the following sign is displayed on the screen.
Now relay status at the beginning of time measurement can be adjusted.
8-Use ▲ and ▼ to select ⊏ (CLOSE) state.
9-Press ↵ to save the settings and exit

Note that LED is ON when relay is connected and is OFF when relay is disconnected. Also indicator point of Mode starts blinking when time is measuring.

3 year GUARANTEE

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 CE

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