

KG316TJ DIGITAL TIMER SWITCH

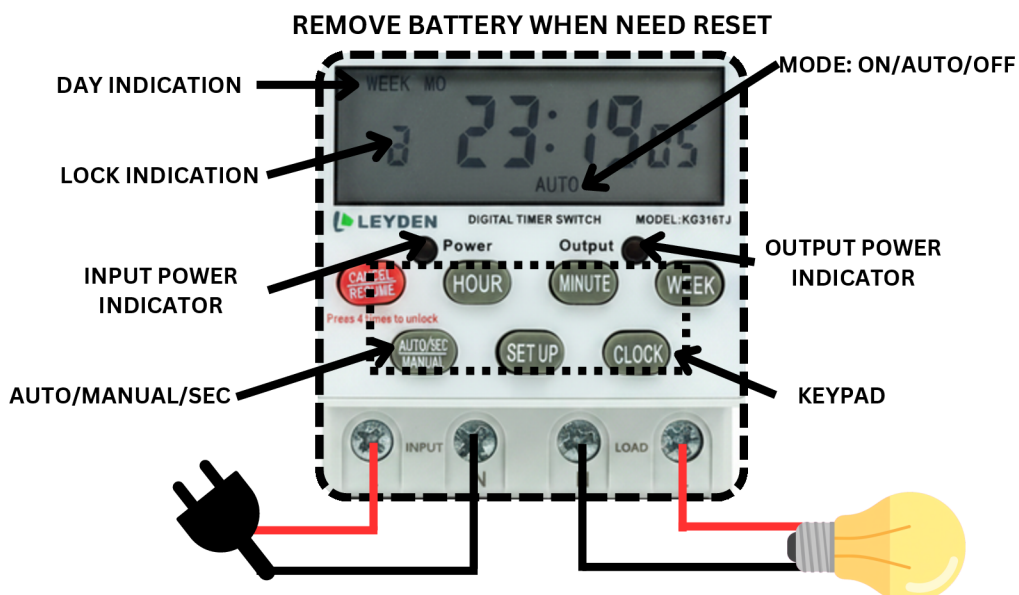
Key attributes:

Brand Name	LEYDEN
Model Name	KG316TJ
Rated Voltage	220-250VAC, 50Hz
Load Capacity	Resistive 30A, Inductive 20A
Output Voltage	220-250VAC, 50Hz
Switching Programs	24 ON/OFF Programs/Day
Programming Modes	Weekly, Countdown & Cyclic
Minimum Switching	1 Seconds
Timing Error	$\leq \pm 2\text{Sec/Day}$
Contact Resistance	$\leq 100\text{ MOhms}$
No. of Terminal	4
Insulation Resistance	>= 100 MOhms
Battery Backup	AAA Replaceable
Mounting Type	Screw & Din Rail
Dimensions	80*56*65mm



About this item

- 1. Operating Voltage 220-250 VAC, 50Hz, 3000W/1.5HP Capacity
- 2. 24 On/Off Program Setting Per Daily & Weekly Setting (Minimum 1 Sec. Duration)
- 3. Manual Start ON Delay & OFF Delay Setting
- 4. Cyclic ON/OFF Function Up to 1 Second To 1440 Minutes
- 5. Din rail & Wall Mounting Both Support
- 6. It is high-precision, industrial grade chip, and strong anti-interference
- 7. This product can automatically turn on and off the power supply of various electrical equipment according to the time set by the user.
- 8. The control objects can be street lights, light boxes, neon lights, production equipment, agricultural breeding, warehouse ventilation and dehumidification, automatic preheating, broadcasting and television equipment, and other ideal control products.
- 9. Use only copper wire for connection & Use Proper Wire Size As Per Load, Do not make loose connections
- 10. Damaged & Burn Product Due to Heavy Load and Loose Connection Do Not Cover In Warranty



1) How to Program Real Clock Time ON-OFF

- 1. Unlock the Device:** Press the CANCEL/RESUME button four (4) times to unlock the device.
- 2. Change Time Format (Optional):** If you want to change the time format from 24-hour to 12-hour, press and hold the CANCEL button for 4 seconds. The display will change to 12-hour format.
- 3. Set Current Time and Day:** Set the current clock time and day using the following buttons: HOUR, MINUTE, WEEK (Day selection)
- 4. Set First ON Time:** Press the SETUP button. The display will show: **1_{ON} --:--**
Enter the first ON time using: HOUR, MINUTE, SEC, WEEK (Day selection)
If you need the device to work daily, make sure the following days are selected: MO TU WE TH FR SA SU
Press CANCEL if you want to erase the current program.
- 5. Set First OFF Time:** Press the SETUP button again. The display will show: **1_{OFF} --:--**
Enter the first OFF time using: HOUR, MINUTE, SEC, WEEK (Day selection)
For daily operation, ensure all days (MO TU WE TH FR SA SU) are selected.
- 6. Set Additional Programs:** Repeat Steps 4 and 5 to set additional ON/OFF programs. The device supports up to 24 ON/OFF programs.
- 7. Finish Programming:** When programming is complete, press the CLOCK button to return to the normal clock display.
- 8. Enable Automatic Mode:** Press the AUTO/MANUAL button and set the device to AUTO mode for automatic ON/OFF operation.

2) How to Program Auto OFF & Cyclic ON-OFF

- **Auto OFF Mode: (For Motor, Geyser, E-bike Charging, and Other Applications)**

- 2.1) Unlock the Device:** Press the CANCEL/RESUME button four (4) times to unlock the device.
- 2.2) Enter Delay Programming Mode:** Press and hold the CLOCK and SETUP buttons together for 4 seconds. (Repeat the same step if you want to return to normal clock programming.)
- 2.3) Set Auto OFF / ON Delay Time:** When the display shows: **d_{ON} --:--** release both buttons.
- 2.4) Enter the required delay time using:** HOUR, MINUTE, WEEK (acts as SECOND in this mode)

Button Functions:

CANCEL → Erase the set time

MANUAL → Start Auto-OFF timer

SETUP → Stop / Preset timer

This mode is commonly used to automatically switch OFF devices after a set time, such as motors, geysers, or charging systems.

- **Cyclic ON-OFF Mode (For Fogger Systems, Hydroponics, Irrigation, and Other)**

- 2.5) After completing Steps 2.1, 2.2, 2.3 and 2.4, press the CLOCK button once.**
The display will show: **d_{OFF} --:--** This is the Auto-ON / OFF delay time.
- 2.6) Set the OFF delay time using:** HOUR, MINUTE, WEEK (SECOND)
- 2.7) Press the CLOCK button again:** The display will show: **d_{ON} --:--** This is the ON delay time.
Enter the ON delay time using the same buttons.

Button Functions:

CANCEL → Erase the programmed time

MANUAL → Start the ON-OFF cycle

SETUP → Stop / Preset cycle

This mode allows the device to turn ON and OFF repeatedly at set intervals, which is useful for foggers, hydroponic pumps, irrigation systems, and similar automated applications.

For Any Assistance Contact
Customer Care Number



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