

TP-CYC 16A, 220VAC

CYCLIC TIMER

- 1 Second to 999 Minutes ON & OFF
- 16 AMPERE CAPACITY

APPLICATIONS:

- FOGGER
- HYROPIYONIC SYSTEM
- DRIP IRRIGATION
- CIRCULATION PUMPS
- AND OTHER...

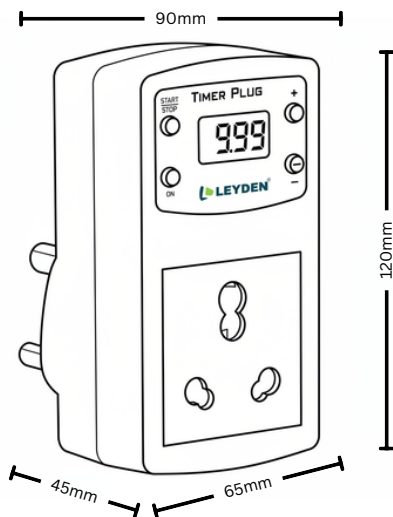
EASY TO USE. PLUG & PLAY



DIGITAL TIMER SOCKET

Model: TP-CYC 16A

The LEYDEN TP-CYC 16A is a digital cyclic ON/OFF timer plug designed for automatic repetitive switching of electrical loads. It allows independent configuration of ON and OFF intervals, enabling continuous cycling operation for automation systems.










DIGITAL TIMER SOCKET**TP-CYC 16A****PRODUCT TECHNICAL SPECIFICATION**

POWER SOURCE	:	220-240V AC
POWER FREQUENCY	:	50Hz
RATE LOAD	:	16A (Resistive Load), 1.5HP/1.5Ton (Inductive Load)
SWITCHING DURATION	:	1 -999 Min/Sec
TIME FORMAT	:	1-999
DISPLAY TYPE	:	LED 7 SEGEMENT
NO OF PROGRAMS	:	Cyclic & Auto Off
PLUG & SOCKET TYPE	:	3-PIN 16A IN
MODE	:	Cyclic & Auto Off
IP RATING	:	IP20
WORKING TEMPERATURE	:	-20°C to +40°C
CLOCK CALIBTATION	:	YES
BATTERY BACKUP	:	NO

INSTRUCTION MANUAL**Welcome to use TP-CYC 16A Timer Plug!**

The LEYDEN TP-CYC 16A is a digital cyclic ON/OFF timer plug designed for automatic repetitive switching of electrical loads. It allows independent configuration of ON and OFF intervals, enabling continuous cycling operation for automation systems.

◆ Key Features

-  Cyclic ON/OFF operation (continuous loop)
-  Adjustable ON & OFF time independently
-  Heavy-duty 16A load capacity
-  Plug-and-play socket design (no wiring required)
-  Microcontroller-based digital control
-  LED/LCD display with button programming
-  Suitable for continuous 24×7 operation

◆ Electrical Load Guidelines

- Resistive load: up to 16A (~3.5 kW)
- Inductive loads (motors): Above 1.5 HP use contactor/relay
- Avoid:

Heavy compressors

High inrush current devices

◆ Advantages

- Simple automation without PLC
- Low-cost solution for cyclic control
- No wiring required (plug type)
- Reliable for continuous duty

◆ Typical Use Example

- Pump ON: 5 minutes
- Pump OFF: 30 minutes
- → Runs continuously in this cycle for irrigation

◆ Applications

- Hydroponic irrigation systems
- Fogger / misting systems
- Water pumps & circulation systems
- Aquarium automation
- Industrial process control
- Agricultural automation

◆ Safety Instructions

- Use proper earthing
- Do not exceed rated current
- Use external MCB or fuse protection
- Keep away from moisture and dust
- Installation by trained personnel recommended

◆ Limitations

- X No real-time clock scheduling
- X No WiFi / remote control
- X Single-channel control only

◆ Compliance & Build

- Electronic timer with microcontroller control
- Designed for domestic & light industrial use
- Durable ABS enclosure

PROGRAMMING GUIDE

LEYDEN TP-CYC 16A (230VAC)


◆ BUTTON FUNCTIONS

START/STOP → Enter / confirm settings


+ (Plus) → Increase value / Start operation

- (Minus) → Decrease value / Stop Operation

MODE 1: AUTO STOP (COUNTDOWN → AUTO OFF)

 Use this when you want the device to run once and then stop automatically

Steps:

 Connect timer to 230V AC supply

Press START/STOP → “ON” starts blinking

Use + / - to select:

SEC (seconds) or

MIN (minutes)

Press START/STOP → set ON time

Press START/STOP → “OFF” starts blinking

Select time unit (SEC/MIN) using + / -

Press START/STOP → set OFF time = 000

Press START/STOP → settings saved

Press + → countdown starts

What happens:


Device turns ON for set time

Then turns OFF permanently (stops)

MODE 2: CYCLIC FUNCTION (CONTINUOUS LOOP)

 Use this for repeating ON/OFF cycles

Steps:

 Connect to 230V AC supply

Press START/STOP → “ON” blinking

Select SEC / MIN using + / -

Press START/STOP → set ON time

Press START/STOP → “OFF” blinking

Select SEC / MIN

Press START/STOP → set OFF time

Press START/STOP → save settings

Press + → start cyclic mode

STOP / RESET

To stop operation → Press - or unplug device

To reprogram → repeat steps from beginning

PRACTICAL EXAMPLES

 Hydroponics Pump

ON: 5 min

OFF: 30 min


 Runs continuously in loop

 Fogger System

ON: 10 sec

OFF: 2 min

 Maintains humidity

 Single Use (Auto Stop)

ON: 15 min

OFF: 000

 Turns OFF after 15 minutes

IMPORTANT TIPS

OFF = 000 → Auto Stop mode

OFF ≠ 000 → Cyclic mode

Always confirm with START/STOP after each step

Press + to start, otherwise timer won't run

 SUPPORT

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