

Precision Interval Timer



- Seconds - Interval Timer
- Minutes - Interval Timer

Introduction

The Ecotechnics interval timer range has been designed to provide growers with a greater degree of control in their growrooms.

There are two standard time ranges available and all feature dual 16 position set switches allowing accurate and independent settings for both on and off times.

Seconds Timer

The Seconds timer has an on range of.....**15 Seconds to 4 Minutes**

And an off range of**1 Minute to 16 Minutes**

This timer will find many applications in the growroom and is suitable for controlling CO2 discharge, automatic watering cycles etc.

Minute Timer

The Minute timer has an on range of ...**1 Minute to 16 Minutes**

And an off range of**15 Minutes to 4 Hours**

This timer will also find many uses in the growroom and is suitable for controlling irrigation cycles in flood and drain and NFT systems, exhaust fan cycles etc.

SETUP and USE

The timer must first be connected to the appliance which it is to control. This should be done using the standard IEC type mains connector provided. Power connection to the timer is via the mains lead provided.

Once the timer is connected the timing can be set up using a small screwdriver to select the time setting as displayed on the setup chart located on the front of the timer.

i.e. with the arrow pointing at Position 0 on the rotary selector, the time setting will be the First indicated period on the setup chart and with the arrow pointing at the F position on the rotary selector, the time setting will be the Last indicated period on the setup chart.

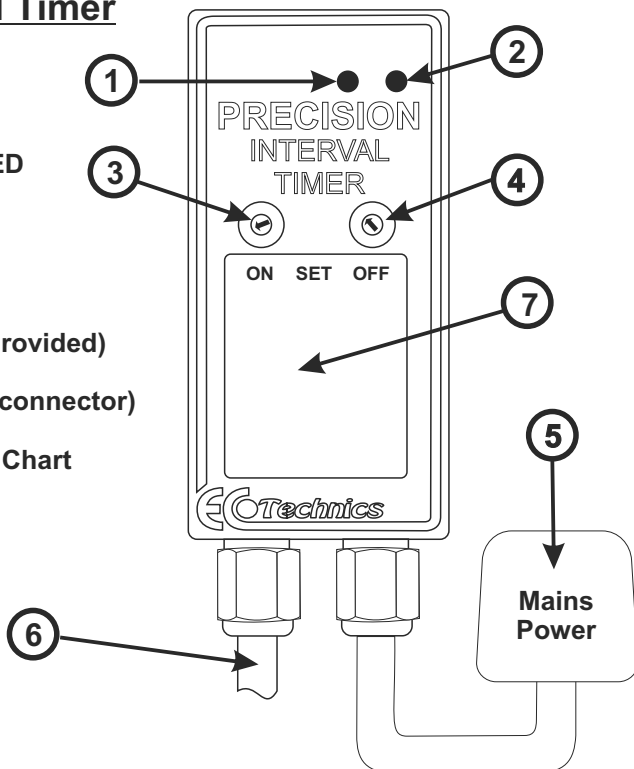
Notice

**Mains voltages can be lethal especially in the presence of water.
Isolate mains before removing cover.**

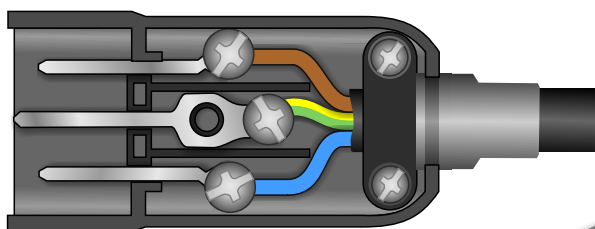
**Timer outputs are rated for 4Amps resistive load at 230V A.C.
We recommended that an external high current contactor be used for the
control of heavy inductive loads such as lighting ballasts.**

Precision Interval Timer

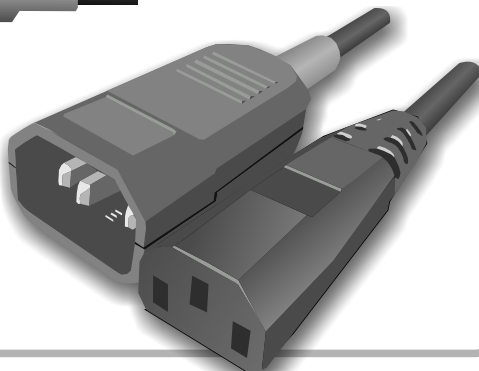
- ① Power Status LED
- ② Timer ON Status LED
- ③ On Setting Dial
- ④ Off Setting Dial
- ⑤ Power Input (lead provided)
- ⑥ Power Output (IEC connector)
- ⑦ Timing Calculation Chart



IEC CONNECTOR WIRING DIAGRAM



 LIVE
 EARTH
 NEUTRAL



Safety Advice

---- ALWAYS OBSERVE THE FOLLOWING ----

- When connecting / disconnecting all cables, grasp the connector itself—never pull on the cable. This way you will avoid causing shorts, or damage to the cable's internal elements.
- Do not excessively twist or bend the power cord, or place heavy objects on it. Doing so can damage the cord, producing severed elements and short circuits. Damaged cords are fire and shock hazards!
- In households with small children, an adult should provide supervision which is essential for the safe operation of any electrical appliances in the home. All cords and cables should be placed so they are out of the reach of children.
- Try to prevent cords and cables from becoming entangled.
- Before moving the unit, disconnect the power cable from the mains supply and any cords coming from external devices.
- Never handle an AC adaptor or electrical plugs with wet hands when plugging into, or unplugging from, an outlet or this unit.
- Before cleaning the unit, turn off the power and unplug the AC adaptor from the outlet.
- Do not force the unit's power-supply cord to share an outlet with an unreasonable number of other devices.
- Be especially careful when using extension cords—the total power used by all devices you have connected to the extension cord's outlet must never exceed the power rating (watts/amperes) for the extension cord. Excessive loads can cause the insulation on the cord to heat up and eventually melt through.
- Protect the unit from strong impact.(Do not drop it!)
- Before using the unit in a foreign country, consult with your retailer or an authorized distributor.
- Whenever you suspect the possibility of lightning in your area, disconnect the unit from the power outlet.
- Do not attempt to repair the unit, or replace parts within it. Refer all servicing to your retailer or an authorized distributor.
- When moved from one location to another where the temperature and/or humidity is very different, water droplets (condensation) may form inside the unit. Damage or malfunction may result if you attempt to use the unit in this condition. Therefore, before using the unit, you must allow it to stand for several hours, until the condensation has completely evaporated.

SAFETY CONSIDERATIONS

- Always make sure the unit is unplugged before attempting to connect the fan and/or heater to the unit.
- Always check that all cables are correctly and securely connected and that the cover is securely screwed on before plugging the unit in and turning the power on.
- Always Remember that Electricity and Water is an Extremely Dangerous Combination. Electricity can be fatal especially in the presence of water.
- It is strongly recommended that any electrical equipment used in the growing environment is mounted above ground level, on a shelf or if possible wall mounted so that in the event of water spillage or flooding the two remain separate.

POWER CONSUMPTION 15 WATTS MAX
SUPPLY VOLTAGE 230-240V AC

ECOTECHNICS PRODUCT GUARANTEE

Thank you for choosing an Ecotechnics product for use in your growroom. As leading manufacturers of horticultural equipment and accessories we are committed to providing a range of innovative products to enhance your garden. Our commitment to quality is second to none, however if you do experience any problem all our products are covered with a full 1 year parts & labor guarantee and should be returned to the retailer along with the original purchase receipt.

Ecotechnics UK Ltd is not liable for labor costs involved in the installation or removal of the product, lost profits, incidental or consequential loss, injury to property or persons or any other consequential loss however caused.

Shop / Dealer

Purchase Date

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Serial Number

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