GRALAB 450 Electronic Timer Instruction Manual

GRALAB 450 Electronic Timer

Contents

Thank You

Thank you for purchasing America's premier timing device. Please take a moment to read these instructions and familiarize yourself with your GraLab timer. On page two of this document we have provided a list of basic features and controls as well as illustrated diagrams and three examples on how to use your GraLab timer. Once you are comfortable with the basic features of your timer, we are confident you will enjoy it for years to come.

Before trying these examples, read the precautions, plug the timer into an AC outlet and turn the timer "on".

Please call us at 1-**937-433-7600** or e-mail us at **glsupport@gralab.com** if you have any questions or comments.

Specifications

Size: 3.5″ x 4″ x 8″
Accuracy: ± .01% @ 1 second relative to power frequency (20°C ambient, no load)
Repeatability: ± .005% @ 1 second relative to power frequency (20°C ambient, no load)
Temperature Range: 0°C to 55°C
Humidity: 0 to 95% non-condensing
Voltages: As printed on ratings label
Power Ratings: As printed on ratings label
Timer Range: SECS: 1 – 99 seconds 1/10 SECS: .1 – 9.9 seconds
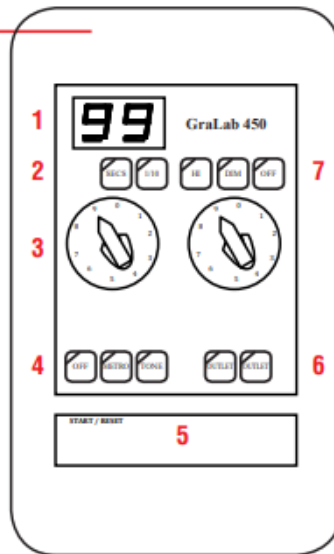
Precautions

- Use only at AC voltage printed on ratings label.
- Ensure outlet load does not exceed maximum specified on outlet receptacle.
- Always turn timer OFF before plugging in or removing power and accessory plugs.
- Always protect timer from jars and shocks.
- Avoid spilling liquids on timer.
- Do not spray with or immerse in water.

Basic Features And Controls

1. Two digit display
2. Time range controls
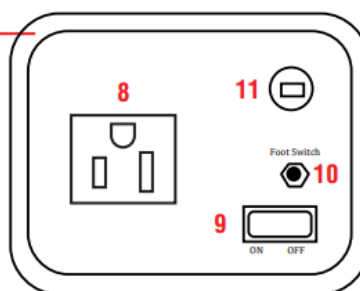3. Time entry controls
4. Audio selection

5. START/RESET bar

6. AC outlet controls

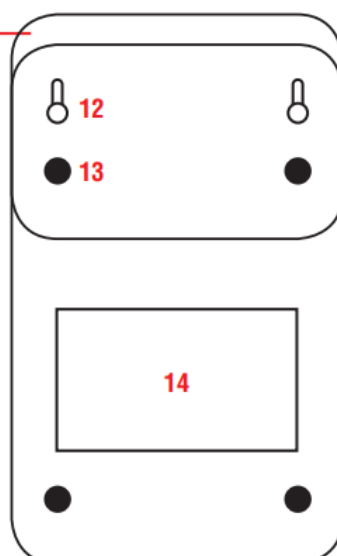7. Display intensity

Timer Front

8. AC outlet

9. ON/OFF master switch

10. Foot switch jack

11. Power cord

Timer End

12. Keys lots for wall mounting

13. Non-skid feet

14. Ratings label

Timer Back

Model 450 Unswitched Timer Operation

1. Set display intensity level.
2. Set time range.
3. Set time.
4. Select audio.
5. Set outlet control to TIME.
6. Press START/RESET.
   See Note 1.

Model 450 Single-cycle Switching Operation

1. Plug controlled device into timer AC outlet.
2. Set display intensity level.
3. Set time range.
4. Set time.
5. Select audio.
6. Set outlet control to TIME.
7. Press START/RESET.
   See Notes 1-2.

Notes:

1. Pushing the START/RESET bar during a cycle stops the timer and automatically resets it to the originally set time.
2. To adjust the controlled device prior to the timing operation:
   Set the outlet control to "focus", make adjustments and then reset the outlet control to "time".

Customer Support

Electronic Timer Operating Instructions

900 Disco Way
Centerville, Ohio 45458
P. 9 3 7 – 4 3 3 – 7 6 0 0
F. **937-433-0520**
www.dimcogray.com
glsupport@gralab.com

Documents / Resources

GRALAB 450 Electronic Timer [pdf] Instruction Manual
450 Electronic Timer, 450, Electronic Timer, Timer

References

- **User Manual**