

OPERATION INSTRUCTIONS
GRALAB Universal Timer Model 171

The GRALAB Model 171 Universal Timer is suitable for both automatic interval timing and elapsed time indication.

AUTOMATIC INTERVAL TIMING

For interval timing, the GRALAB Timer is used to switch external electrical appliances ON or OFF. It will also sound a built-in buzzer signal at the end of an interval.

The Model 171 will time any interval from 1 second up to 60 minutes to split-second accuracy.

The slow-moving hand (with hooked end) makes one revolution of the dial in 60 minutes and is used to set the "minutes" portion of the time interval.

The fast-moving hand (with plastic knob attached) makes one dial revolution in 60 seconds and is used to complete the setting in "seconds".

The hands are set in a clockwise direction on the outer circle of large numbers.

EXAMPLE: To set the timer for 2 minutes, 49 seconds.

- 1) Rotate the slow hand clockwise until it rests on the second graduation beyond the large 0 which corresponds to a setting of 2 minutes.
- 2) Using the plastic knob rotate the fast hand to the fourth graduation beyond the numeral 45 which corresponds to 49 seconds.

NOTE: For Model 170 change seconds to minutes, change minutes to hours.

To switch external electrical appliances ON or OFF automatically at the end of a selected interval, use the two receptacles on the side of the timer case.

The black receptacle is used to switch the appliance ON at the beginning and OFF at the end of the time interval.

The white receptacle is controlled by the selector switch located in the upper left hand corner of the timer dial (OUTLET PLUG - OPEN - CLOSED).

Depending on the setting of that switch, the white receptacles will either duplicate the action of the black receptacle or will switch an appliance ON at the end of the time interval.

When the selector switch is moved to the OPEN position an appliance plugged into the white receptacle will be turned ON at the beginning of the interval and turned OFF when both hands reach zero.

With the selector switch in the CLOSED position the white receptacle will turn an appliance ON at the end of the interval.

This selector switch can also be used to turn the white receptacle ON and OFF while both timer hands are at zero prior to setting of the timer.

SUMMARY:

- 1) Turn timer ON-OFF switch (upper right hand corner of dial) to OFF position.

