

## TRACEABLE THREE-CHANNEL TIMER INSTRUCTIONS

### SPECIFICATIONS

<b>Display:</b>	1½" x 1¾" high screen with 3/8" LCD digits showing hours, minutes, and seconds
<b>Accuracy:</b>	0.001%
<b>Resolution:</b>	1 second
<b>Timing Channels:</b>	Three independent timing channels (can run simultaneously)
<b>Timing Capacity:</b>	1 second to 99 hours, 59 minutes, 59 seconds
<b>Alarm:</b>	Audible and visual (distinct audible alarm for each channel)
<b>Memory:</b>	Automatic recall of last programmed time (all three channels)
<b>Functions:</b>	Countdown timing and count-up (stopwatch) timing
<b>Clock:</b>	Time-of-day in 24 hour format
<b>Size:</b>	3" x 3¼" x 1"
<b>Weight:</b>	3 oz

### BEFORE USING TIMER

Remove insulation from BATTERY COMPARTMENT. (See Battery Replacement below). Timer will display in clock mode.

### SETTING CLOCK, ALARM, AND DATE

- To switch between A.M./P.M. time and 24-hour time, press the HRS button.
- To switch between American (month/date) and European (day/month) formats, the ALL TIME button.
- Press and hold CLOCK button for 3 seconds. Time of day will flash on display. Press HRS (hours), MIN (minutes), or SEC (seconds) button to set desired time.  
**Note:** Press and hold HRS, MIN, or SEC to advance setting rapidly.
- Press CLOCK button again. Time will be saved and alarm will flash on display. Press HRS or MIN to desired alarm time.  
**Note:** Press and hold HRS or MIN to advance setting rapidly.
- Press CLOCK again. Alarm time will be saved and date will flash on display. Press HRS to set desired month. Press MIN to set desired day.  
**Note:** Press and hold HRS or MIN to advance setting rapidly.
- Press CLOCK again to save settings.

### CLOCK ALARM AND SNOOZE FEATURE

- Press and hold CLOCK button for 3 seconds. Time of day will flash on display. Press CLOCK button again. Alarm will flash on display. Press HRS and MIN buttons to set desired alarm time.
- Press ALL TIME button to activate alarm. Press CLOCK twice to save alarm setting.  
**Note:** A bell symbol will appear on display above alarm time.
- When alarm sounds, press any button to silence alarm.
- To utilize snooze feature, press CLEAR button when alarm is sounding. Alarm will sound again in 8 minutes. Snooze feature may be used as many times as desired. To discontinue snooze feature, press any button except CLEAR.
- To deactivate alarm, press and hold CLOCK button for 3 seconds. Time of day will flash on display. Press CLOCK button again. Alarm will flash on display. Press ALL TIME button. Bell symbol will no longer appear on display. Press CLOCK button twice to save setting.

### ALARM DURATION SWITCH

Alarm can be set to automatically silence after one minute or to sound continuously until silenced manually. Changing this setting affects time of day alarm and all three timer channel alarms. To change setting, open BATTERY COMPARTMENT DOOR on back of unit by sliding it in direction of arrow. Slide ALARM DURATION SWITCH to 1 MIN. Alarm will sound for one minute then silence automatically. Slide ALARM DURATION SWITCH to ∞. Alarm will sound continuously until manually silenced. Replace BATTERY COMPARTMENT DOOR.

### VOLUME

There are two volume settings that affect both key confirmation and alarm sounds. VOL SWITCH is on top right-hand corner of unit. Slide VOL up for high volume. Slide VOL down for low volume.

### SWITCH TO TIMER MODE

- Press CLOCK button once. Timer mode appears on display. Press CLOCK again, clock mode appears on display. During timing process, toggle back and forth to view timer or clock.
- In clock mode, during any timing event, TIMER 1, 2, or 3 will flash on display screen. If all three channels are timing, TIMER 1, TIMER 2, and TIMER 3 will flash on display screen in clock mode.

### COUNTDOWN ALARM TIMING

- Press CLOCK button once to enter timer mode.
- Press CLEAR to clear display.  
**Note:** CLEAR only clears channels that are not timing.
- Press and hold CHANNEL 1, 2, or 3 button for three seconds. Display will flash 00:00 00.
- Press HRS, MIN, and SEC buttons to set desired countdown time. Each press is confirmed with a sound.  
**Note:** Press and hold HRS, MIN, or SEC to advance setting rapidly.
- Press CHANNEL 1, 2, or 3 again to save desired time.
- Press CHANNEL 1, 2, or 3 again to begin countdown timing.
- When timer reaches 0:00 00, alarm will sound, TIME'S UP will flash in upper left hand corner of channel display, and timer will begin counting up.
- Press any button to turn off alarm.
- Press CLEAR to return channel to 00:00 00. Press CHANNEL 1, 2, or 3 again and last programmed time will appear on display.

### COUNTDOWN TIMING – ALL CHANNELS

All three timing channels can be running simultaneously, follow steps 1 through 4 above to set countdown times for each channel. Press ALL TIME to begin count down timing for all channels simultaneously.

**Note:** Each channel has a unique sounding alarm. CHANNEL 1 beeps once. CHANNEL 2 beeps twice. CHANNEL 3 beeps three times.

**Note:** If more than one channel has reached zero and is sounding, only alarm for last channel to reach zero will be heard. (Example: If CHANNEL 3 alarm is sounding – three beeps – and then CHANNEL 1 begins to sound – one beep – only CHANNEL 1 alarm will be heard.)

### AUTOMATIC RECALL OF LAST PROGRAMMED TIME

- When timing is complete and after alarm has been silenced, press CLEAR to return channel to 00:00 00.
- Press CHANNEL 1, 2, or 3 again and last programmed time will appear on display.
- To completely clear last programmed time on any channel
  - press and hold CHANNEL 1,2, or 3 button. Channel 1,2, or 3 display will flash.
  - press CLEAR.
  - press CHANNEL 1,2, or 3 again, display will stop flashing and read 00:00 00.

### COUNT UP TIMING

- Press CLOCK button once to enter timer mode.
- To completely clear last programmed time on any channel, follow instructions in #8 under Count Down Alarm Timing.
- Press CHANNEL 1, 2, or 3 to begin count up timing.  
**Note:** Press ALL TIME to start all channels at same time.  
**Note:** During any Count Up Timing event, TIME'S UP will flash on display for each channel in use.

### SIMULTANEOUSLY COUNT UP AND DOWN

- Press CLOCK button once to enter timer mode.
- Choose CHANNEL 1,2, or 3. Make sure to delete any previous set times on this channel. (See #8 under Count Down Alarm Timing.) Do not set one channel. This channel will count up.
- Choose one or two channels to count down. Make sure to delete any previous set times on channels. (See #8 under Count Down Alarm Timing.)
- Set timing. (Follow steps 2 through 4 under Countdown Timing.)
- Press ALL TIME. One channel will count up. Other channel(s) will count down.

#### **TIMING OPTIONS**

1. One channel counts up, two channels count down.
2. Two channels count up, one channel counts down.
3. All three channels count down.
4. All three channels count up.

#### **TIMEOUT**

Any channel may be stopped during any running time. Press corresponding CHANNEL 1, 2, or 3 button to stop timing for selected channel. Resume timing by pressing selected CHANNEL 1, 2, or 3 button. Any number of time-outs may be taken during any timing event.

#### **ALL OPERATIONAL DIFFICULTIES**

If this timer does not function properly for any reason, please replace battery with a fresh, high-quality battery (see Battery Replacement section). Low battery power can occasionally cause any number of "apparent" operational difficulties. Replacing battery with a fresh battery will solve most difficulties.

#### **BATTERY REPLACEMENT**

An incorrect display, no display or operational difficulties indicate that battery should be replaced. To open BATTERY COMPARTMENT, slide BATTERY COMPARTMENT DOOR on back of unit in direction of arrow. Remove depleted battery. Insert one fresh AAA alkaline battery in appropriate position to agree with polarity symbols (+ and -) in compartment. Replace BATTERY COMPARTMENT DOOR. Equivalent battery replacements are any AAA alkaline batteries. Replacement battery Cat. No. 1105.

#### **Warranty, Service, or Recalibration**

For warranty, service, or recalibration, contact:

## **CONTROL COMPANY**

Control Company is ISO 9001 Quality-Certified by DNV and ISO 17025 accredited as a Calibration Laboratory by A2LA.

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