

# ChronTrol® **L** SERIES

## QUICK REFERENCE OPERATOR'S GUIDE

### SETTING OPERATIONAL PROGRAMS

1. PRESS **PROGRAM**. SHOWS FIRST OPEN PROGRAM NUMBER (1-60)
2. PRESS **NEXT**
3. ENTER CIRCUIT NUMBER(S) TO BE CONTROLLED (1-16)
4. PRESS **NEXT**
5. ENTER TURN ON TIME IN HOURS, MINUTES, SECONDS, AM/PM
6. PRESS **NEXT**
7. ENTER TURN OFF TIME IN HOURS, MINUTES, SECONDS, AM/PM
8. PRESS **NEXT**
9. ENTER DAY(S) PROGRAM SHOULD **NOT** RUN
10. PRESS **NEXT**

#### 11A.

ENTER CYCLE (REPEAT) RATE OF TURN ON/TURN OFF TIMES (FROM 2 SECONDS TO 99 HRS, 59 MINUTES & 59 SECONDS)  
**24 HOURS ASSUMED IF NOT SET**

OR

#### 11B.

PRESS **AM/PM** TO SELECT SUNRISE **OR** SUNSET RELATIVE PARAMETER

#### 11C.

ENTER AMOUNT OF TIME TO BE ADDED TO **OR** SUBTRACTED FROM SUNRISE OR SUNSET. FOR EXAMPLE:  
00:01:00 = 1 MIN. LATER  
23:59:00 = 1 MIN. EARLIER

11. PRESS **NEXT**
13. ENTER **LENGTH** OF TIME IN HOURS, MINUTES, AND SECONDS TO DUTY CYCLE "ON" WITHIN TURN ON/TURN OFF TIME WINDOW  
PRESS **NEXT**
14. ENTER **LENGTH** OF TIME IN HOURS, MINUTES, SECONDS TO DUTY CYCLE "OFF" WITHIN TURN ON/TURN OFF TIME WINDOW  
PRESS **NEXT**
15. ENTER **LENGTH** OF TIME IN HOURS, MINUTES, SECONDS TO DUTY CYCLE "OFF" WITHIN TURN ON/TURN OFF TIME WINDOW  
PRESS **NEXT**
16. PRESS **NEXT**

### THE COLON KEY :

ALWAYS USE THE COLON KEY : TO SEPARATE:

1. HOURS, MINUTES AND SECONDS. FOR EXAMPLE, TO SET 6:45:30 PM:  
  
PRESS **6 , : , 4 , 5 , : , 3 , 0 , PM , NEXT**
2. CIRCUIT NUMBERS. FOR EXAMPLE, TO CONTROL CIRCUITS 5, 4, & 13:  
  
PRESS **5 , : , 4 , : , 1 , 3 , NEXT**
3. DATES. FOR EXAMPLE, TO SET THE DATE AS JUNE 22, 1987:  
  
PRESS **6 , : , 2 , 2 , : , 8 , 7 , NEXT**

#### LOCKING KEYBOARD

1. PRESS **LOCK**.  
  
("L" DISPLAYED IN BOTTOM LEFT CORNER)

#### UNLOCKING KEYBOARD

1. ENTER 4-DIGIT UNLOCKING CODE.  
  
(FACTORY SET CODE: 0103)

### MANUAL OVERRIDE

1. PRESS **MANUAL**
2. ENTER CIRCUIT NUMBER(S) TO GO "ON"
3. PRESS **NEXT**
4. ENTER CIRCUIT NUMBER(S) TO GO "OFF"
5. PRESS **NEXT**

### MASTER ENTRIES

1. PRESS **PROGRAM**
2. PRESS **0**
3. PRESS **NEXT**
4. ENTER THE MASTER ENTRY NUMBER YOU WANT TO ACCESS
5. PRESS **NEXT**
6. ENTER DATA FOR SELECTED MASTER ENTRY
7. PRESS **NEXT**

### MASTER ENTRY NUMBERS

- #1. TIME OF DAY
- #2. DAY/DATE
- #3. DAYLIGHT SAVINGS BEGIN AND END (MONTH AND DAY)
- #4. HOLIDAY LIST (MONTH AND DAY)
- #5. UNLOCKING CODE (4 DIGIT)
- #6. CIRCUIT RESTART (0-99 SECONDS)
- #7. MANUALS TIMER (0 TO 23 HOURS, 59 MINUTES, AND 59 SECONDS)
- #8. TIME BASE (60 OR 50 Hz)
- #9. AUX PORT BAUD RATE (300 OR 1200)
- #10.\* STORE TO PRO-60
- #11.\* LOAD TO TIMER
- #12.\* AUTO-REPORTING
- #13. INTEGRITY TEST
- #14. LATITUDE FOR SUNRISE/SUNSET OPERATIONS (0-60 NORTH)
- #15. SELECTIVE REVIEW (ENABLE/DISABLE WITH **AM/PM** KEY)

\* USED ONLY WITH PRO-60 PRINTER/PROGRAMMER

## AUTOMATIC REVIEW

PROGRAMS, CIRCUITS, MASTER ENTRIES AND MANUAL "ON/OFF"

TO REVIEW:

A PROGRAM	ALL PROGRAMS	ALL PROGRAMS CONTROLLING A CIRCUIT	ALL MASTER ENTRIES (EXCEPT #5)	TO REVIEW CIRCUITS MANUALLY OVERRIDDEN
1. PRESS <b>REVIEW</b>	1. PRESS <b>REVIEW</b>	1. PRESS <b>REVIEW</b>	1. PRESS <b>REVIEW</b>	1. PRESS <b>REVIEW</b>
2. PRESS <b>PROGRAM</b>	2. PRESS <b>PROGRAM</b>	2. PRESS <b>CIRCUIT</b>	2. PRESS <b>PROGRAM</b>	2. PRESS <b>MANUAL</b>
3. ENTER PROGRAM NUMBER TO BE REVIEWED	3. PRESS <b>9 , 9</b>	3. ENTER CIRCUIT NUMBER TO BE REVIEWED	3. PRESS <b>0</b>	
4. PRESS <b>NEXT</b>	4. PRESS <b>NEXT</b>	4. PRESS <b>NEXT</b>	4. PRESS <b>NEXT</b>	

### DURING REVIEW

TO FREEZE REVIEW, PRESS **NEXT**

TO RESUME REVIEW, PRESS **NEXT**

TO TERMINATE REVIEW, PRESS **EXIT**

TO ADJUST SPEED OF REVIEW,  
PRESS A NUMBER FROM 0-9  
0 = FASTEST, 9 = SLOWEST  
(FACTORY SETTING IS 5)

### AUTOMATIC CLEARING

PROGRAMS OR CIRCUITS

TO CLEAR:

A PROGRAM	ALL PROGRAMS	A CIRCUIT FROM ALL PROGRAMS
1. PRESS <b>CLEAR</b>	1. PRESS <b>CLEAR</b>	1. PRESS <b>CLEAR</b>
2. PRESS <b>PROGRAM</b>	2. PRESS <b>PROGRAM</b>	2. PRESS <b>CIRCUIT</b>
3. ENTER PROGRAM NUMBER TO BE CLEARED	3. PRESS <b>9 , 9</b>	3. ENTER CIRCUIT NUMBER TO BE CLEARED
4. PRESS <b>NEXT</b>	4. PRESS <b>NEXT</b>	4. PRESS <b>NEXT</b>
	5. ENTER 4-DIGIT UNLOCKING CODE	

### A/C POWER INTERRUPTION

AFTER AN A/C POWER INTERRUPTION, THE DISPLAY BLINKS, "PF" (POWER FAILURE) IS SHOWN IN THE BOTTOM LEFT CORNER AND THE TIME OF THE **LAST** POWER FAILURE IS SHOWN

1. PRESS **EXIT**.

DISPLAYS CUMULATIVE LENGTH OF A/C POWER FAILURE(S)

2. PRESS **EXIT**.

RETURNS DISPLAY TO CURRENT DAY, DATE AND TIME OF DAY AND CLEARS CUMULATIVE POWER FAILURE MEMORY

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