MC PLUS QUICK REFERENCE PROGRAMMING GUIDE

1. Set Program Switch to Program 1.
2. Enter Time.
   EXAMPLE: A. Time is 10:25 A.M., PRESS:...
3. Set Today's Date.
   EXAMPLE: Today is Wednesday, PRESS:...
4. Set Days On (Structured Watering Days).
   Example: Days On Mon Wed Fri, PRESS:...
5. Set Days Off (Structured Watering Days off): Monday, Wednesday and Saturday, PRESS:...

EXAMPLE B: Would like to change above watering days so: Monday, Wednesday and Friday, PRESS:...

   EXAMPLE: - New (structured) Cycle per day on extended Days On of 6:05 A.M. and 7:30 P.M., PRESS: (refer to top of next column)

- Program Analysis:
  1. To recall the Total Watering Time within a program, press “Clear” key and then press “Water Time” key.
  2. To recall the total hours of tank programmed for the program, press “Clear” key.
  3. To recall the total number of tanked Cycle start and end times then press the “Cycle Start” key twice.

7. Semi-Automatic: To automatically activate a watering cycle in Program 1 beginning with Station 1, PRESS:...
8. Single Station Timed Manual: For additional watering of Stations 2, for its watering time, without activating the automatic (watering cycle) in Program 6, PRESS:...
9. Water Budgeting: Changing all Water Times within a program for 10%-50%, with 10% being the current Water Time.

EXAMPLE: - To program controller to use only 5/3 of currently programmed Water Time for each station in Program 8:
   a) Press for “Time” key.
   b) Press “3” (35% of 100% = 35).

10. Programmable Watering Calendar:
    a) Calendar must range from 1 to 365 days, Calendar is automatically set to 7 days by factory.
    b) To change Calendar Length, select “6” for the Calendar Length and choose one Day On and three Days Off. To change Calendar Length, Press enter key. Press enter key.

11. Logic: Requires sequential watering of all stations in Program 8. This option is available ONLY in Program 8.

EXAMPLE: - New Watering Cycle per day on extended Days On of 6:05 A.M. and 7:30 P.M., then the following keys are pressed:

- 1. Water Time = 7.5 hr.
- 2. Cycle Start Time = 6:05 A.M.
- 3. Cycle End Time = 7:30 P.M.

- NOTES:
  1. To enter Program 8, 9, or 10, set Program Switch to the appropriate Program position and perform the desired programming as shown for Program 9. Use operations 4.5, and 6 only.
  2. When finished programming, return Program Switch to the Auto-function position.
  3. Connect key depressed sequence is essential. Follow examples above.
  4. Sequence of operations (5-1) is not important and can be followed in any desired order.
  5. If either “Error” appears on the display, depress the “Clear” key before attempting to reprogram the last function.

WARNING:
- All connections and wires must be performed as instructed.
- The necessary inlet is not essential.
- To ensure proper operation of the unit, the box must be enabled.
- Electrical power must be disconnected prior to back-up power or water supply.
- Program unit with longevity only. Do not apply any additional loads.
- Be sure to check unit before use.

TROUBLESHOOTING:
A. DISPLAY FLAVERS “FUSE” ALTERNATING WITH STATION NUMBER.
   1. Check fuses before fuses.
   2. Check switches for short.
   3. Repair damage and press “Clear”.

B. NO DISPLAY:
   1. Check primary and secondary circuits.

C. CANNOT PROGRAM:
   1. Move Program Switch to program position.

D. ALL STATIONS WILL NOT TURN ON AUTOMATICALLY:
   1. Check Cycle Start 1-4 for proper start time.
   2. Verify Water Time by pressing “Clear” key on proper days on.
   3. Verify that Water Budget is 100% set on 10.
   4. Verify that Water Time is programmed.
   5. Check if controller is locked “Fuse” screen.

E. CONTROLLER LOSES PROGRAM:
   1. Controller but not properly grounded.
   2. Check primary and secondary wiring.

F. STATION STAY-ON:
   1. Check duration of programmed Water Times.
   2. Check number of stations or other unit.
   3. Check valve for leaks or other unit.
   4. Check valve for leaks or other unit.

G. STATION WILL NOT TURN OFF:
   1. Check Program Switch (not in Run button 100% or programmed Back Off.
   2. Check Cycle Start Time (not in Run button 35%.
   3. Verify that Water Budget is set on 10.

H. CONTROLLER TIME DISPLAY IS INCORRECT:
   1. Power failure with no battery time back-up. Install 9V alkaline battery.

FOR MORE DETAILED INSTRUCTIONS & PROGRAMMING EXAMPLES, PLEASE REFER TO OWNERS MANU.

Part No. 017010