

TORO**Count on it.**

MC-E Series

Micro-Irrigation



Application:

The MC-E Series of irrigation controllers have advanced features designed for valve and pump control applications in agriculture. The MC-E Series controllers have a looping feature to reliably control misting, cooling and fogging in greenhouse and nursery applications. New flow monitoring and diagnostic features detect unscheduled flow events and alarms users.

4, 6, 8, 12, 18, 24, 30, 36, 42, 48 station outdoor models

Features:

- Flexible scheduling will enable expert watering of any crop.
- 8 Independent programs with up to 8 start times per program per day. **New!**
- Flow monitoring with diagnostics and 3 types of flow alarms- high flow, low flow and unscheduled flow. **New!**
- 4 stations to 48 stations.
- Long service life in demanding agricultural applications.
- The cabinet is durable, lockable and weather resistant.
- Watering times in hours, minutes, or seconds.
- Settable delays between stations.
- 2nd master valve/pump start option. **New!**
- Settable daily and monthly water budget for easy weather and crop stage adjustments.
- 5 year warranty.



MC-E Series



New Added Features

- Looping on all 8 programs **New!**
- Backlit, 2-line 32 character LCD display
- Selectable irrigation off days (up to 10) for events such as harvest, spraying or holidays
- Terminals for flow sensor, stop sensor (rain switch), start program sensor activated by temperature or other sensing device **New!**
- Program overlap or start time "stacking"
- Internal power supply to hold time/date up to 48 hours (no battery required)
- Password protection option for secure programming
- Master valve/pump start option available for each station

Time Tested Features

- 16 day programmable calendar
- Up to 11 starts per day
- Loops have adjustable start time, stop time and delays between loops
- Programmable Irrigation Off days
- Diagnostic circuit breaker
- "All-station-test" program
- Non volatile memory retains the program during power outage and surges
- Two stage surge protection
- Battery backup for 30 days
- Self diagnostic circuit breaker

Operation Specifications

- Watering day cycles per program
 - Any days of the week
 - Odd or Even date watering
 - Day intervals from 1–60 days
- Station run times
 - 0–59 seconds in 1-second increments
 - 1 minute to 24 hours in 1-minute increments
- Global Water Budget & Monthly water budget
 - 0% to 255% in 1%-increments

Electrical Specifications

- Transformer input: 120V ac, 60 Hz
- Transformer output: 24V ac, 2.08 amps
- Maximum output per station: 1.24 amp
- Maximum output to valves: 24VAC, 1.8 Amps

Dimensions

4–12 station models	18–48 station models
Height: 9 3/4" (248mm)	Height: 12" (305mm)
Width: 10 1/2" (267mm)	Width: 14 1/4" (362mm)
Depth: 4 1/4" (108mm)	Depth: 4 3/4" (121mm)

Example:

How To Order:

Model	Number of Stations
A-MC-4E	4
A-MC-6E	6
A-MC-8E	8
A-MC-12E	12
A-MC-18E	18
A-MC-24E	24
A-MC-30E	30
A-MC-36E	36
A-MC-42E	42
A-MC-48E	48

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