

**4, 8, 12, 16, 20 or 24 Stations Electric**

The TMC-424E offers sophisticated features, ease of use and advanced modular technology to provide industry-leading flexibility, performance, and convenience

**Key Features**

- Modular station count (available in 4- or 8- station modules, standard surge and flow sensing with high surge options. Mix and match your needs)
- Program stacking with the ability to operate up to 3 programs simultaneously.
- TMR-1 Remote Ready and RainSensor compatible
- Flow monitoring
  - Flows are automatically learned
  - Up to 3 flow modules, each with its own master valve output
  - Each station can have its own underflow, overflow and critical overflow alarms.
- Up to 4 master valve/pump start connections
- Program cycle and soak option provides 1-30 repeat cycles and soak time delay from 1 second to 60 minutes

**Additional Service Features**

- Clear memory feature erases programming, by program
- Non-volatile memory requires no batteries and retains programming for up to five years, reducing call-backs
- Review feature quickly recaps all program information on the face of the controller
- Short detection for faster troubleshooting
- Test mode for quick system checks
- Compatible with the Toro EZ Remote and new Toro TMR-1 remote and normally closed rain sensors.

**Dimensions**

- 273mm x 260m x 125mm (W x H x D)
- Shipping weight including 4 station normal module : 3.55kg

**Additional Features**

- Hot-swappable station modules indicate module location and station count
- 4 independent programs
- 16 start times (assignable by program) provide exceptional scheduling flexibility
- Station and total run times in seconds or minutes, and accumulated run time is displayed by program. Run times 1 sec to 60 secs in 1 second increments or 1 min to 8 hours in 1 minute increments.
- Three scheduling choices by program:
  - 365 day calendar with true odd or even day watering schedule
  - 7-day calendar
  - 1- 31 day interval
  - Day exclusion (remove a day from standard program)
- Manual watering by station, program or a test program
- Well recovery from 5 seconds to 30 minutes
- Pump start/master valve set by program and station
- Pump start/master valve output in both stand alone mode or with flow monitoring modules
- Rain delay from 1-14 days
- Water budgeting from 0-200% in 10% increments
- 12/24 hour real-time clock for programming accuracy
- Key-lockable, weatherproof cabinet
- Large control dial and LCD display with visual confirmation of stations/programs
- Multi-language capability
- Remote Ready and RainSensor Compatible
- Multi-language capability
- 5 year warranty



**Electrical Specifications**

- Input Power
- 240 VAC, 50 Hz
- 30 VA (external and internal plug-in type transformer)
- UL/cUL, CSA Certified (or equivalent), TUV, SAA, CE, C-Tick
- Station Output Power:
  - 24 VAC (50 Hz)
  - 0.50 amps per station maximum
  - 0.50 amps pump/master valve
  - 1.20 amps total load
- Surge protection
  - Standard: 6KV common mode, 0.6KV normal mode
  - High Surge: 6 KV common and normal modes

**Ordering Information**

Code	Description
TMC-424E-ODC-50H	4-24 zone expandable TMC424E outdoor controller, complete with one 4 station std surge module
TSM-4	4 station expansion (std surge) to suit TMC424E
TSM-4H	4 station expansion (high surge) to suit TMC424E
TSM-4F	4 station expansion (flow sensing, high surge) to suit TMC424E
TSM-8	8 station expansion (std surge) to suit TMC424E
TSM-8H	8 station expansion (high surge) to suit TMC424E
TSM-8F	8 station expansion (flow sensing, high surge) to suit TMC424E