

TORO**Count on it.**

TMC-424E Series

Commercial Modular Controller

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



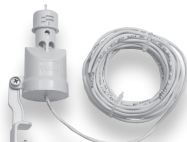
TMC-424E
Modular Controller



TFS Series
Flow Sensor



TWRS (wireless)
RainSensor™
compatible



TRS (wired)
RainSensor™
compatible

Flexibility

- **4, 8, 12, 16, 20 or 24 Stations modular – Electric**
- Modular station count from four to twenty-four stations, in 4- or 8-station increments reduces inventory and increases flexibility
- Four independent programs and 16 start times
- Three scheduling choices by program:
 - Seven day calendar
 - One- to thirty-one-day interval with day exclusion
 - Odd/even days with day exclusion
- Runtimes from 1-59 seconds, or 1 minute to 8 hours in 1-minute increments
- Station delay and pump start features meet a variety of regional pump needs

Performance

- One cabinet and transformer for both indoor and outdoor mounting
- Optional high surge modules to meet lightning-protection needs
- Rain delay from 1 to 14 days and Season Adjust by Program and by Month from OFF – 200% in 10% increments
- Program stacking or the ability to operate up to three programs simultaneously
- Compatible with the TriComm off-site control system, Toro Flow Sensors, normally closed Toro RainSensors™, and select Toro Remotes

Productivity

- Review feature shows total program time and accumulated irrigation time
- Large LCD provides easy-to-read programming and operation information
- LCD displays both station number and corresponding module terminal position
- Short detection for faster troubleshooting
- Non-volatile memory requires no batteries and holds programming information for up to five years, reducing call backs

TMC-424E Modular Controller



**TSM-4
Module**
Normal Surge



**TSM-4H
Module**
High Surge



**TSM-4F
Module**
Flow
Monitoring



**TSM-8
Module**
Normal Surge



**TSM-8H
Module**
High Surge



**TSM-8F
Module**
Flow
Monitoring

Additional Features

- Flow monitoring from learned flow with alarm & shutdown on line breaks
- Clear Program feature erases programming by program
- 12/24 hour real-time clock for programming accuracy
- Multi-language capability (English, Spanish, French, Italian, German, Portuguese)
- Hot-swappable station modules
- Indoor model includes pigtail and strain relief
- Station Delay w/ Pump Enable
- Pump Start Delay
- RainSensor by Program
- Auto-Split Runtimes on Season Adjust >100%
- Program Cycle (Repeat) with Delay
- Normally Open and Normally Closed Master Valve compatibility
- Simultaneous Manual (Station & Program) operation
- Valve Test / System Walkthrough Feature

Electrical Specifications

- Input Power
- 120 VAC, 220-240 VAC, 50/60 Hz
- 30 VA (external and internal plug-in type transformer)
- UL/cUL, CSA Certified (or equivalent), TUV, SAA, CE, C-Tick, IPX0 (indoor), IPX3 (outdoor), FCC Class B
- Station Output Power:
- 24 VAC (50/60 Hz)
- 0.50 amps per station maximum
- 0.50 amps pump/master valve
- 1.20 amps total load
- Special high-surge station modules are offered to meet surge protection requirements

Mechanical Specifications

- Dimensions (Indoor/Outdoor Models):
273 x 260 x 117mm
(10³/₄" x 10¹/₄" x 4⁵/₈"
(W x H x D)
- Shipping weight (Indoor/Outdoor Model including transformer):
2,43 kg (5.35 lbs)

Warranty

- Two years

TMC-424E Specifying Information

Specifying TMC-424E Controllers

Model	Description
TMC-424E-ID	Toro Modular Controller, 4- to 24-station compatible, Indoor Model, 120 V a.c.
TMC-424E-ID-50H	Toro Modular Controller, 4- to 24-station compatible, Indoor Model, 220 V a.c.
TMC-424E-OD	Toro Modular Controller, 4- to 24-station compatible, Outdoor Model, 120 V a.c.
TMC-424E-OD-50H	Toro Modular Controller, 4- to 24-station compatible, Outdoor Model, 220/240 V a.c.

Specifying Modular Options

	Standard	High surge	High surge and Flow Monitoring
4-station	TSM-4	TSM-4H	TSM-4F
8-station	TSM-8	TSM-8H	TSM-8F

Dealer Stamp



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