

**TORO**

Count on it.

# TMC424

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## Series

COMMERCIAL CONTROLLERS

Toro takes modularity to a whole new level by bringing you the leader in commercial controllers with sophisticated features, advanced modular technology and simple operation.



### **FLEXIBILITY**

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Modular station counts from four to twenty-four stations. Choose your own surge protection level to adapt to any commercial landscape requirement. And, a removable internal power supply converts controller from outdoor to indoor use.

### **PERFORMANCE**

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Real time flow sensing reacts to user set over and under flow situations. Station run times are in seconds or minutes, making it ideal for syringe cycles.

### **PRODUCTIVITY**

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Programs can be stacked, or up to three can run at once. Sixteen start times can be assigned to any program, and accumulated run time is displayed.

**TORO****Count on it.****SPECIFICATIONS****TMC-424<sup>®</sup>**  
**Series****FLOW SENSING**

Monitors up to three independent flow sensors.

**HIGH-SURGE**

Options for two levels of surge protection.

**VERSATILE RUNTIMES**

Set runtimes in minutes or seconds.

**INDEPENDENT MASTER VALVES**

Up to four independent MV's programmable by station or program.

**ACCESSORIES**

Wired rain sensor or wireless rain/freeze sensors available to

halt irrigation when it rains, or temperature drops below a user defined point.

**ELECTRICAL SPECIFICATIONS****Input Power**

- 120 VAC (60Hz)
- 30 VA (internal & external plug-in type transformer)
- UL, CSA-listed transformer

**Station Output Power**

- 24 VAC (60Hz)
- 0.50 amps per station max
- 0.50 amps pump/master valve
- 1.20 amps total load

**MECHANICAL SPECIFICATIONS****Indoor Controller**

- **Dimensions**
  - 10 3/4" W x 10 1/4" H x 4 5/8" D (273cm x 260cm x 117cm)
- **Shipping Weight** (including external transformer)
  - 5.35 lbs (2.43kg)

**Outdoor Controller**

- **Dimensions**
  - 10 3/4" W x 10 1/4" H x 4 5/8" D (273cm x 260cm x 117cm)
- **Shipping Weight** (including internal transformer)
  - 5.30 lbs (2.41kg)

**FEATURES****Modularity**

- Station-count modularity for flexibility and reduced inventory (4 to 24 stations in either four- or eight-station modules)
- Modular internal power supply converts from outdoor to indoor use with addition of external AC power supply
- Hot-swappable station modules indicate module location and station count in real time

**Professional Grade**

- Non-volatile memory requires no batteries and holds programming information for up to five years, reducing call backs
- Large LCD provides easy-to-read programming and operation information
- 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 Toro's EZ Remote<sup>®</sup> and all normally closed rain sensors
- Multi-language capability (English, Spanish, French, Italian, German)

**Programmability**

- Four independent programs and 16 start times (which can be applied to one or more programs) provide exceptional scheduling flexibility
- Three scheduling choices by program:
  - Seven day calendar
  - One- to thirty-one-day interval
  - Odd/even days with day exclusion
- Run times in minutes or seconds
- Flow monitoring from learned flows
- Well recovery from 5 to 55 seconds in five-second increments and 1 to 30 minutes
- Pump start/master valve settable by program and station
- Program stacking or the ability to operate up to three programs simultaneously
- Rain delay from 1 to 14 days and water budgeting from 0-200% in 10% increments
- Clear memory feature erases programming by program
- 12/24 hour real-time clock for programming accuracy
- Semi-automatic, manual and timed-manual irrigation for operation flexibility



TSM-4 Module

TSM-4F Module

TSM-4H Module

TSM-8 Module

TSM-8F Module

TSM-8H Module

**SPECIFYING INFORMATION**

Model	Type	Module Description
TMC-424	ID - Indoor	<b>4</b> 4 Station Standard Surge
		<b>4H</b> 4 Station High Surge
	OD - Outdoor	<b>4F</b> 4 Station High Surge & Flow Monitoring
		<b>8</b> 8 Station Standard Surge
		<b>8H</b> 8 Station High Surge
		<b>8F</b> 8 Station High Surge & Flow Monitoring

**Example:** A 16-station TMC-424 Controller in an indoor cabinet with one flow monitor would be specified as: **TMC-424-ID-8F-8**

A 24-station TMC-424 Controller in an outdoor cabinet with two flow monitors would be specified as: **TMC-424-OD-8F-8F-8**

**www.toro.com****The Toro Company** • Irrigation Division • An ISO 9001 Certified Facility • 5825 Jasmine St. • Riverside, CA • 92504 • 800.664.4740

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