

TORO

Count on it.

TMC-424E

Series

CONTROLLERS

Toro takes modularity to a whole new level, bringing you an easy-to-use and dependable controller with options to meet a variety of system needs and efficient water management features.



TMR-1
Compatible!

*TMC-424E*

FLEXIBILITY

Modular station count from four to twenty-four stations, in 4- or 8-station increments. 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

Single cabinet and internal transformer for both indoor and outdoor installation. Optional high surge protection to meet regional lightning-protection needs. TMR-1 Hand Held Remote compatible for ease of troubleshooting and maintenance.

PRODUCTIVITY

Programs can be stacked, or up to three can run simultaneously. Sixteen start times can be assigned to any program. Review feature shows total program time and accumulated irrigation time.

TORO**Count on it.****SPECIFICATIONS**

TMC-424E Series

**FLOW SENSING**

Monitors up to three independent flow sensors. Compatible with Toro TFS Series flow sensors.

**HIGH-SURGE**

Options for two levels of surge protection.

**VERSATILE RUN TIMES**

Set runtimes in minutes or seconds.

**INDEPENDENT MASTER VALVES**

Multiple independent Master Valve / Pump Start Connections

**ACCESSORIES**

Wireless Rain Sensors to halt irrigation when it rains. Hand held remotes for manual operation or maintenance.

SIX MODULE OPTIONS

Base Controller includes 4-station module.

Two Station Count Options

- 4-Station modules
- 8-Station modules

Three Types of Modules

- Standard
- High Surge (6kV protection)
- Flow sensing and High Surge

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

- 120 VAC (60Hz)
- 30 VA (internal transformer)
- UL, cUL-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

FEATURES**Programmability**

- 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
- LCD displays both station number and corresponding module terminal position
- Short detection for faster troubleshooting
- Flow monitoring from learned flow with alarm & shutdown on line breaks
- Multi-language capability (English, Spanish, French, Italian, German, Portuguese)

Professional Grade

- 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
- Program stacking or the ability to operate up to three programs simultaneously
- Rain delay from 1 to 14 days and
- Season aAdjust by Program and by Month from OFF – 200% in 10% increments
- Clear Program feature erases programming by program
- 12/24 hour real-time clock for programming accuracy

MECHANICAL SPECIFICATIONS**Dimensions**

- 10 3/4" W x 10 1/4" H x 4 5/8" D
(273cm x 260cm x 117cm)

Shipping Weight

- Indoor Controller (including internal transformer, pigtail, and strain relief) - 7.50 lbs (3.40kg)
- Outdoor Controller (including internal transformer) - 7.10 lbs (3.22kg)

Modularity

- Station-count modularity for flexibility and reduced inventory (4 to 24 stations in either four- or eight-station modules)
- Hot-swappable station modules
- One cabinet and transformer for both indoor and outdoor mounting
- Indoor model includes 6' pigtail and strain relief

Contractor-Driven Features –

- Station Delay w/ Pump Enable
- Pump Start Delay
- RainSensor by Program
- Monthly Season Adjust
- 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
- Program Review

Specifying Information

TMC-424E-XX		
Model	Type	Cabinet Style
TMC	424E	XX
TMC—Toro Modular Controller*	424E—4- to 24-Stations, Enhanced	ID—Indoor OD—Outdoor

* NOTE: Base model comes with one TSM-4 (4-station Module)

Specifying Information

TSM-XX	
Model	Module Description
TSM	XX
TSM—Toro Station Module	4—4-station, Standard-Surge 4H—4-station, High-Surge 4F—4-station, High-Surge and Flow-Sensing 8—8-station, Standard-Surge 8H—8-station, High-Surge 8F—8-station, High-Surge and Flow-Sensing
<p>Example: A 12-station, outdoor mount TMC-424E controller with flow sensing would be specified as: TMC-424E-OD and TSM-8F</p>	



www.toro.com

The Toro Company • Irrigation Division

5825 Jasmine St. • Riverside, CA • 92504 • 877-345-8676

08-1012-IRC Specifications subject to change without notice. For more information, contact your local Toro distributor. ©2008 The Toro Company. All rights reserved.