TMC-424
Series

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.

TMR-1
Compatible!

FLEXIBILITY

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

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

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® 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 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® 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	**4**	4 Station Standard Surge
	OD - Outdoor	**4H**	4 Station High Surge
		4F	4 Station High Surge & Flow Monitoring
		8	8 Station Standard Surge
		8H	8 Station High Surge
		8F	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