

Toro Irrigation TMC-424 Series Commercial Controllers

Taking modularity to a whole new level of power and control. Sophisticated features, ease of use and advanced modular technology provide industry-leading flexibility, performance and convenience. The new TMC-424 offers station counts anywhere from 4 to 24, in four and eight station increments. A range of station modules provide superior flexibility to any design.

Large Display

Provides easy to read programming and operation information

Navigation Buttons
For fast, easy programming

High Impact Plastic Case

Protection in any environment

Large Program Switch

Simplifies program selection

Cover

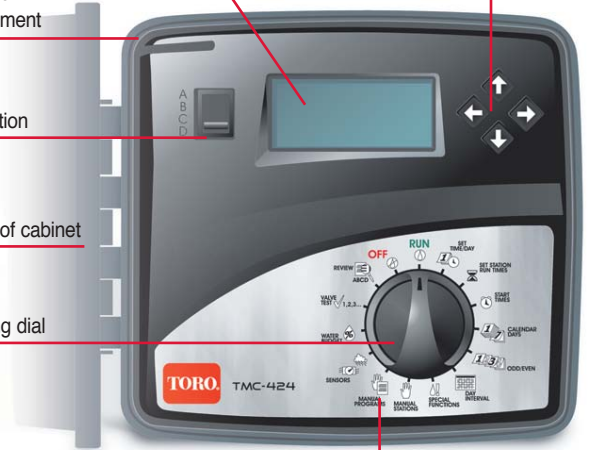
Key lockable weatherproof cabinet

Large Dial

Large rotary programming dial

Large Text and Standardised Symbols

Simplifies program selection



Modularity

- Station-count modularity for flexibility and reduced inventory, available in both 4 and 8 station counts.
- Flow sensing modules available in 4 and 8 station counts with high surge protection.
- Colour coded station modules are available with normal and high surge protection.
- Wireless rain sensor module.
- Hot-swappable station modules indicate module location and station count in real time.

Precise Watering

- Station runtimes from 1 – 59 seconds or 1 minute to 8 hours in 1 minute increments.
- Water budget adjustments are accurate to the nearest second.
- Combined with rain sensor allows for efficient watering.
- 4 Independent programs.
- Water by days of the week, odd/even days, or intervals from 1 – 31 days.
- Rain Delay from 1 – 14 days.

Flow Sensing

- Flow sensing modules available in 4 and 8 station counts.
- Each station can have its own underflow, overflow, and critical overflow alarms.
- Flows are automatically learned.
- Up to 3 flow modules can be used.
- Each flow module has an extra master valve output.

Program Review

Shows the following for the selected program:

- Total runtime for the program.
- Start times assigned to the program, as well as the end time that includes water budgeting.
- Station runtimes for the selected program.
- If the water budget is being used for the program.
- Clear Program function.

Professional-Grade

- Non-volatile memory requires no batteries and holds programming information 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.
- Key-lockable weatherproof cabinet.

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Flexibility

- Modular station counts from 4 to 24 stations.
- A choice of lightning protection levels means the TMC 424 can adapt to any commercial landscape requirement.
- Manual watering by station, program or a test program.
- Day exclusion for day of the week, odd/even, or interval watering.
- 365 day calendar with automatic leap year adjustment.

Performance

- Optional flow monitoring capability will manage up to three flow meters simultaneously.
- Station run times are in seconds or minutes, making it ideal for syringe cycles.
- 24 hours of time keeping without battery or power.
- Runs 1-3 valves simultaneously, up to 1.2A of current.

Master Valve Flexibility

- Bore recovery feature, AKA station delay, from 5 seconds to 30 minutes.
- Master valve programmable by program.
- Extra master valve on the flow modules programmable by station.

Convenience

- Programs can be stacked or up to three programs can run at once.
- 16 start times can be assigned to any program, and accumulated run time is displayed by program.
- Remote ready.
- Armchair programming with a 9V battery.
- Slide switch for rain sensor bypass.
- Programmable rain by-pass.
- Displays time in 12 or 24 hour format.

Electrical Specifications

Input Power

- 240 VAC (50 Hz).
- 1.2A internal transformer.
- UL, CSA-listed transformer.
- C tick approved.

Station Output Power:

- 24 VAC (50 Hz).
- 0.50 amps per station maximum.
- 0.50 amps pump/master valve maximum.
- 1.20 amps total load.

NB: Special high-surge station modules are offered to meet surge protection requirements.

Mechanical Specifications

Dimensions:

- Width – 273mm
- Height – 260mm
- Depth – 117mm
- Shipping Weight – 2.41Kg



TSM-4 Module TSM-4H Module TSM-4F Module TSM-8 Module TSM-8H Module TSM-8F Module

ORDERING DETAILS

Code	Description
TMC-424-ODC-50H	Toro Modular controller, 4 to 24 station compatible, outdoor model (no modules)
TSM-4	4 station module to suit TMC 424 (grey)
TSM-4H	4 station module with high surge, rated to 6KV to suit TMC424 (cream)
TSM-4F	4 station module with high surge, rated to 6 KV and flow monitoring (blue)
TSM-8	8 station module to suit TMC 424 (grey)
TSM-8H	8 station module with high surge, rated to 6KV to suit TMC424 (cream)
TSM-8F	8 station module with high surge, rated to 6KV and flow monitoring (blue)

Dealer Stamp

**For Customer Service Call
Toro Irrigation on 1300 130 898**

*Toro Irrigation is a business unit of Toro Australia Pty Ltd
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