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.

**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.
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 Adjust 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

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

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

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

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

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.