

TORO®

EVOLUTION® SERIES CONTROLLER



The Toro® EVOLUTION series controller has changed the way we think about irrigation control. It combines a modern and intuitive design with wide-ranging functionality, making it perfect for everyday residential use, yet able to meet the needs of more complex landscapes.

FEATURES & BENEFITS

Ease of Use

The EVOLUTION controller's user interface was designed with the customer in mind. Shortcut buttons provide quick access to basic functions while the advanced menu leverages the experience and knowledge of the irrigation professional, all shown on a graphics display that navigates similar to many modern consumer electronic devices.

Water-Saving Wireless Accessories

The unique Smart Connect® receiver plugs into the back of the front panel, enabling it to wirelessly communicate directly with a number of add-on devices, including the Wireless ET Weather Sensor, Precision™ Soil Sensor, Handheld Remote, and up to two Auxiliary Relays.

Control from Anywhere

Manage your clients' new or existing EVOLUTION Series controllers through the internet using the SMRT Logic™ gateway and SMRTscape™ mobile app or website.

Powerful Features

The EVOLUTION controller comes standard with features ready to meet the wide-ranging needs of your clients, such as three independent watering schedules, a stand-alone Auxiliary schedule, modular expansion from 4 to 16 zones, and the capability to power up to four standard solenoids.



Certified by
ICC-ES

When equipped with a
Wireless ET Weather Sensor
(EVO-WS)

PRODUCT HIGHLIGHT



Smart Connect® Add-On Devices

Simply plugging the Smart Connect® into the EVOLUTION® controller allows it to communicate wirelessly with a number of add-on devices, providing a great opportunity to upgrade with a number of different water-saving and time-saving options.



Toro® Smart Connect® Plug-In Receiver

Installs easily on the backside of the EVOLUTION® controller's front panel. No wires, no externally mounted receiver. One Smart Connect® Receiver is all that is required to communicate to all Add-On Devices.



SMRT Logic® Internet Gateway

Program and manage the EVOLUTION controller from anywhere using your smartphone, tablet, or computer. SMRT Logic uses a secure 900 MHz radio frequency and has a communication range nearly three times that of competing Wi-Fi controllers.



Wireless ET Weather Sensor

Combines real-time temperature and solar measurements with historical ET data for your location to automatically calculate and adjust the irrigation schedule.



Handheld Remote

Backlit display makes maintenance checks a snap, day or night, allowing you to run sprinklers or schedules from up to 1000 feet away.



Precision™ Soil Sensor

Up to three soil sensors can be used (one per schedule) to monitor the moisture level in the soil and prevent over- and underwatering. No digging required to install, and a communication range of up to 300 feet.



Wireless Auxiliary Relay

Up to two wireless relay switches can be used to power and control a wide range of 120V ac devices, such as outdoor lighting, pumps, fountains, or outdoor entertainment systems.

Programming Features

- ✓ Up to six schedules:
 - Three irrigation schedules with four start times per schedule
 - One wired auxiliary schedule, plus two optional wireless auxiliary schedules
- ✓ Monthly season adjust by schedule
- ✓ Schedule stacking, with automatic split cycle when watering adjustments are greater than 100%
- ✓ Grow-In schedule is settable for up to 90 days and automatically reverts to base irrigation schedule
- ✓ Station runtimes from one minute to twelve hours
- ✓ Allows 30, 60, or 90 second manual runtimes for things such as winterization/blowouts
- ✓ Programmable well-recovery, station, or pump start delays from 10 seconds to 30 minutes
- ✓ Timed water off from one to fourteen days
- ✓ Compatible with normally-closed rain sensors
- ✓ Automatic short detection for circuit protection and faster troubleshooting
- ✓ Non-volatile memory doesn't require batteries and holds programming for up to five years
- ✓ Diagnostic zone test measures and displays current draw of solenoid and identifies short, over current and open conditions

Hardware Features

- ✓ Backlit LCD display
- ✓ 4-station base; expandable to 16-stations with 4- and 12-station hot-swappable modules
- ✓ Powerful 1.25 mA transformer can run up to 4 standard solenoids at once
- ✓ Red LED next to display lights in the event of an alert
- ✓ Option for 9V battery allows for armchair programming
- ✓ Outdoor key-lock cabinet manufactured out of durable UV-resistant plastic and includes standardized key used on many of the most popular controllers
- ✓ Indoor cabinet includes internal transformer and factory installed power cord



12-station configuration with two four station modules (EMOD-4)



16-station configuration with one 12 station module (EMOD-12)

EVOLUTION SERIES MODEL LIST

Model	Description
EVO-4ID	4-station Indoor Controller
EVO-4OD	4-station Outdoor Controller
Add-ons and Accessories	
EMOD-4	4-station Expansion Module
EMOD-12	12-station Expansion Module
EVO-SC	Smart Connect® Plug-In Receiver
PSS-SEN	Wireless Precision™ Soil Sensor Probe Only
EVO-WS	Wireless ET Weather Sensor
EVO-HH	Wireless Handheld Maintenance Remote
EVO-AR	Wireless Auxiliary Relay
SMRT-T	SMRT Logic® Internet Gateway

SPECIFICATIONS

Electrical

- Electrical input power:
 - 120V ac
 - 30 VA maximum
 - UL, CUL Listed
- Station output power:
 - 24V ac
 - 0.75 amps per station maximum
 - 0.75 amps pump/master valve
 - 1.0 amps total load
- Surge Protection:
 - 6.0 KV common mode; 1.0 KV normal mode
- Operation of two solenoids per station

Dimensions

- 11 1/4" W x 7 3/4" H x 4 1/4" D
- Weight: 4.5 lbs.

Warranty

- Five years

Specifying Information- EVOLUTION® Series

EVO-XX-XX-SC			
Description	Cabinet Type	Module	Connector Options
EVO	XX	XX	SC
EVO – EVOLUTION Controller	ID – Indoor OD – Outdoor	4 – No Additional Modules 8 – One, 4-Station Modules 12 – Two, 4-Station Modules 16 – One, 12-Station Module	SC – Smart Connect®
Example: A 16-station EVOLUTION controller in an indoor cabinet with Smart Connect would be specified as: EVO-ID-16-SC			



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Specifications subject to change without notice. For more information, contact your local Toro distributor.

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