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.

**Ease of Use**

The EVOLUTION controller’s user interface was designed with easy programming and navigation. Shortcut buttons provide quick access to basic functions while the advanced menu leverages the experience and knowledge of the irrigation professional, all shown on an easy-to-read backlit graphic display.

**Water-Saving Wireless Accessories**

The unique Smart Connect™ receiver plugs into the back of the front panel, allowing the controller 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.
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.

**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, 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 under-watering. 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 devices, such as outdoor lighting, pumps, fountains, or outdoor entertainment systems.

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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 power 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)
**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

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**EVOLUTION SERIES MODEL LIST**

<table>
<thead>
<tr>
<th>Model</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>EVO-4ID</td>
<td>4-station Indoor Controller</td>
</tr>
<tr>
<td>EVO-4OD</td>
<td>4-station Outdoor Controller</td>
</tr>
</tbody>
</table>

**Add-ons and Accessories**

<table>
<thead>
<tr>
<th>Add-on</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>EMOD-4</td>
<td>4-station Expansion Module</td>
</tr>
<tr>
<td>EMOD-12</td>
<td>12-station Expansion Module</td>
</tr>
<tr>
<td>EVO-SC</td>
<td>Smart Connect® Plug-In Receiver</td>
</tr>
<tr>
<td>PSS-SEN</td>
<td>Wireless Precision™ Soil Sensor Probe Only</td>
</tr>
<tr>
<td>EVO-W5</td>
<td>Wireless ET Weather Sensor</td>
</tr>
<tr>
<td>EVO-HH</td>
<td>Wireless Handheld Weather Sensor</td>
</tr>
<tr>
<td>EVO-AR</td>
<td>Wireless Auxiliary Relay</td>
</tr>
<tr>
<td>SMRT-T</td>
<td>SMRT Logic® Internet Gateway</td>
</tr>
</tbody>
</table>

**Specifying Information- EVOLUTION® Series**

<table>
<thead>
<tr>
<th>Description</th>
<th>Cabinet Type</th>
<th>Module</th>
<th>Connector Options</th>
</tr>
</thead>
<tbody>
<tr>
<td>EVO – EVOLUTION Controller</td>
<td>ID – Indoor</td>
<td></td>
<td>SC – Smart Connect®</td>
</tr>
<tr>
<td></td>
<td>OD – Outdoor</td>
<td>4 – No Additional Modules</td>
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</tr>
<tr>
<td></td>
<td></td>
<td>8 – One, 4-Station Modules</td>
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<tr>
<td></td>
<td></td>
<td>12 – Two, 4-Station Modules</td>
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<tr>
<td></td>
<td></td>
<td>16 – One, 12-Station Module</td>
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</tr>
</tbody>
</table>

**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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The Toro Company • Irrigation Business • 5825 Jasmine St. Riverside, CA • 92504 • 877-345-8676
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