



SMART CONNECT ADD-ON DEVICES

Simply plugging Smart Connect into the EVOLUTION Series 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.

- 4- to 16-Stations
- Computer Programmable
- Indoor and Outdoor
- Modular



RAIN SENSOR COMPATIBLE



REMOTE READY



PSS-KIT COMPATIBLE

FEATURES & BENEFITS

- 1 WIRELESS ET SENSOR**
 Uses live temperature and solar measurements as well as historical weather data for your location to calculate the amount of water needed from the irrigation system.
- 2 HANDHELD REMOTE**
 Makes maintenance checks a snap, allowing you to run sprinklers or schedules from up to 305 m (1000 feet) away.
- 3 TORO® 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. With up to a 152,4 m (500 feet) wireless range, there's no digging required to install.
- 4 SOFTWARE***
 Programming can be transferred from your computer to the controller in seconds using a standard USB drive.

**Smart Connect not required for software programming capability.*



DIMENSIONS

- 286mm x 197mm x 114 mm (11¼" x 7¾" x 4½") W x H x D
- Weight: 2,0 kg (4,5 lbs.)

ELECTRICAL SPECIFICATIONS

- Electrical input power:
 - 220/240 VAC, 50 Hz
 - 30 VA (internal and external plug-in type transformer)
 - CE compliant
- Station output power:
 - 24 VAC
 - 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

EVOLUTION OPERATING SPECIFICATIONS

- 4 to 16 stations, Modular
 - 4 Stations Fixed in base unit
 - 4- and 12-station hot-swappable modules
- One irrigation schedule in the default "standard" mode
- Up to six schedules in "advanced" mode
 - Three irrigation schedules, four start times per schedule
 - One fixed output auxiliary schedule
 - Two virtual auxiliary schedules for wireless control
- Three scheduling choices:
 - Seven-day calendar
 - 1 to 30-day interval with up to seven day exclusions
 - Odd/even days with up to seven day exclusions
- Station run times from one minute to twelve hours
- Cycle and soak by station
- Simultaneous operation of up to three zones
- Monthly season adjust by schedule
- Programmable "no irrigation" water restrictions
- Automatic split cycle when season adjust >100%
- Grow-in schedule settable up to 90 days
- Station-delay from 1 second to 60 minutes
- Pump start delay from 1 to 60 seconds
- Master valve on/off by zone
- Timed water off from 1 to 14 days
- Quick select 30, 60, or 90 second manual run times

OPERATING SPECIFICATIONS (CONTINUED)

- Compatible with normally closed rain sensors
- Review feature to show planned irrigation
- Customizable zone and schedule names
- Automatic short detection for circuit protection
- Advanced diagnostics and alerts including current draw
- Operation of two solenoids per station
- Non-volatile memory does not require battery and holds programming for up to five years
- Status LED provides rapid indication of alerts
- 9V battery-powered timing mechanism for "armchair" programming
- Smart Connect upgrades controller for wireless smart or handheld remote control
- Evolution software lets users program on a computer and transfer programming via a USB drive
- Outdoor key-lock cabinet manufactured out of durable UV-resistant plastic
- Indoor model includes internal transformer with wall plug pigtail

WARRANTY

- Five years

EVOLUTION SERIES MODEL LIST

Model	Description
• EVO-4ID-EU	4-station Indoor Controller, 220V, Europe
• EVO-4OD-EU	4-station Outdoor Controller, 220V, Europe

ADD-ONS AND ACCESSORIES

Model	Description
• EMOD-4	4-station Expansion Module
• EMOD-12	12-station Expansion Module
• EVO-SC-EU	Smart Connect® Europe 868 mHz
• PSS-SEN-EU	Precision™ Soil Sensor Probe
• EVO-WS-EU	ET/Weather Sensor
• EVO-HH-EU	Maintenance Remote

SPECIFYING INFORMATION

EVO-4XX-YY-ZZ-SC[-EU]

Description	Cabinet Type	Power	Module	Connector Options
EVO-4	XX	YY	ZZ	-SC or -SC-EU
EVO-4 – Evolution Controller, 4-station Base	ID – Indoor OD – Outdoor	Blank – 120V/60Hz EU – 220V/50Hz	00 – No Modules 04 – One 4-station Module 44 – Two 4-station Modules 12 – One 12-station Module	SC – Smart Connect, 915 mHz SC-EU – Smart Connect Europe, 868 mHz

Example: A 16-station Evolution controller in an indoor cabinet with Smart Connect® Europe 868 mHz would be specified as EVO-4ID-12-SC-EU

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