

## TBOS-II™

Commercial Control for Battery-Powered Systems

### Features

- Convenient durable option for providing uninterrupted irrigation while AC-power is not available
- Field transmitter and control module have external optical connectors for easy plug-in
- Seven advanced programming features, the TBOS-II™ cuts setup time and eliminates repeat trips to the controller, resulting in water-efficient programs and lower operating expenses
- Master Valve: Extra support for stations that require a back-up to minimize water leaks or need extra water pressure
- Basic programming includes 3 independent programs with flexible days cycles including custom even, odd, odd-31 and 1-6 day program cycles for maximum flexibility
- 8 start times per program per day and Run-time from 1 minute to 12 hours in 1-minute increments
- Independent station operation allows simultaneous start times or sequential start times based on system hydraulic capacity
- One TBOS field transmitter programs an unlimited number of TBOS Control Modules
- Field transmitter and control module have external infrared connectors for easy plug-in
- ESP-LXD, and ESP-LX Modular Controllers

### Valve Compatibility

- TBOS potted latching solenoid is compatible with all Rain Bird valves in the DV, DVF, ASVF, PGA, PEB, PESB, GB, EFB-CP, BPE and BPES series
- The TBOS solenoid adapters will adapt the potted latching solenoid for use in retrofit applications with non-Rain Bird valves such as Irritrol® (Hardie/Richdel) and Buckner® valves or Champion® and Superior® valve actuators
- Tipping Rain Gauge wire: 18 – 26 awg

### TBOS-II Control Module

- Available in 4 models: 1, 2, 4 and 6 stations
- Operates one valve per station
- Station timing: 1 minute to 12 hours in 1-minute increments with a 365-day calendar. Stations can be assigned to multiple programs
- Active sensor connection accommodates Rain Bird® RSD-BEx Rain Sensor
- Operates with only one 9V alkaline battery (Energizer™ and Duracell™ are recommended) type 6AM6 (international standard) or 6LR61 (European standard): battery not included
- Battery life is one year with a high-quality 9V alkaline battery
- IP-68 rated waterproof case for reliable operation under water
- Dimensions: 3.8 x 5.1 x 2 inches (9.5 x 13.0 x 5.3 cm)
- Weight: 17.64 ounces (500 g)
- Maximum wire run between the module and solenoid:

Wire Size	Maximum Distance
18 AWG (0.75 mm <sup>2</sup> )	32 ft (10 m)
16 AWG (1.5 mm <sup>2</sup> )	100 ft (30 m)

- C-Tick approved

### TBOS-II Field Transmitter

- Field transmitter required for programming control module
- Dimensions: 2.8 x 6.3 x 1.2 inches (7.0 x 16.0 x 3.0 cm)
- Weight: 8.81 ounces (250 g)
- Operating temperature: 14 to 149° F (-10° to 65° C)
- C-Tick approved

### TBOS Potted Latching Solenoid

- Two 18 gauge (0.75 mm<sup>2</sup>) wires are supplied: 23.6 inches (60 cm) long
- Fits Rain Bird valves: DV, DVF, ASVF, PGA, PEB, PESB, GB, EFB-CP, BPE and BPES Series
- 150 psi (10 bar) maximum operating pressure
- Dimensions: 1.4 x 2.4 x 1.5 inches (4.0 cm x 6.0 cm x 4.2 cm)

### TBOS Solenoid Adapters

- Easy to install
- Black adapter for plastic valves allows the TBOS potted latching solenoid to be used with selected Irritrol (Hardie/Richel) and Buckner valves
- Brown adapter for brass valves allows the TBOS potted latching solenoid to be used with selected Champion and Superior valve actuators

### Models

- TBOS-II Control Modules:
  - TBOS2CM1: 1 station control module
  - TBOS2CM2: 2 station control module
  - TBOS2CM4: 4 station control module
  - TBOS2CM6: 6 station control module
- TBOS-II Field Transmitter:
  - TBOS2FTUS: Field Transmitter (US)
  - TBOS2FTSAU: Field Transmitter (AUS)



TBOS-II Control Module and Field Transmitter

TBOS Potted Latching Solenoid and Solenoid Adapters