

TORO®

FLOW AND MOISTURE DECODERS



With the continued growth of two-wire systems, it only makes sense to leverage the two-wire path for optimal efficiency and reliability in an irrigation control system. Toro Flow and Moisture Decoders allow irrigation managers to utilizing the existing two-wire path to simplify the installation of additional accessories. Save time and money by not having to install additional wires to the controller.

FEATURES & BENEFITS

Water Management Software

Compatible with Sentinel V3 Satellites when used with Water Management Software (WMS).

Compatibility

Compatible with Rain Master® DX3™ controllers when used with Laguna™ Software.

No Additional Wires to Run

Eliminate the need to run additional wires to the irrigation controller, saving time and money.

Versatile

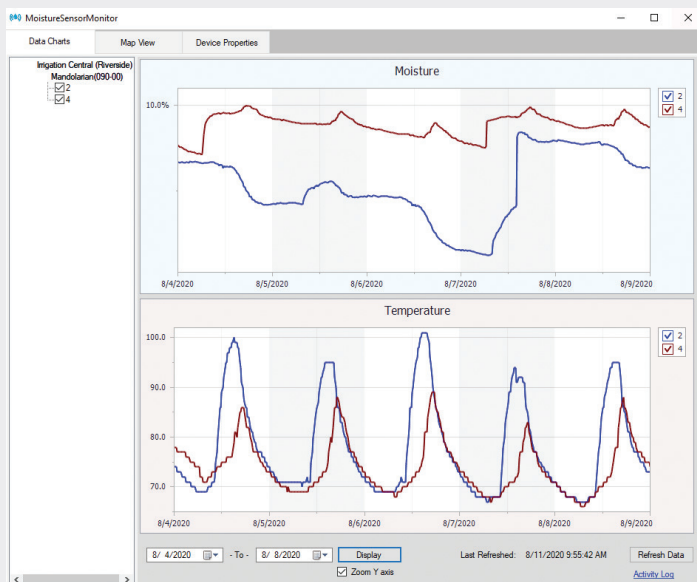
Flow decoder works with most pulse type flow sensors.

Graphical Representation

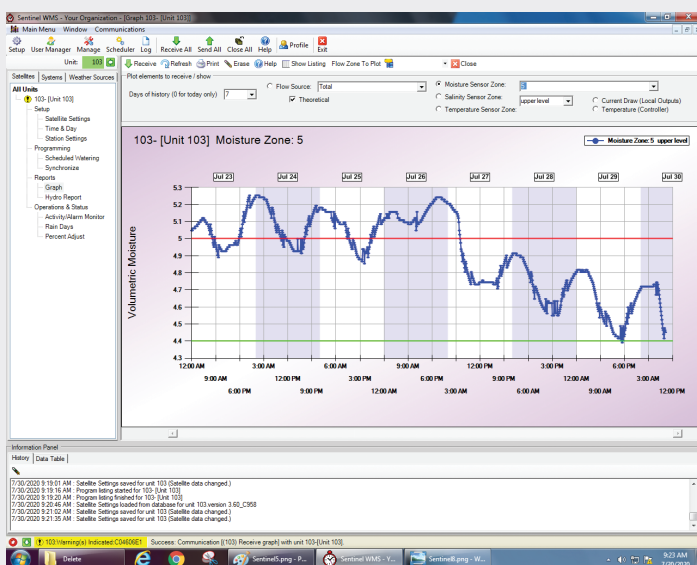
Moisture and temperature data are represented in graphical format on central systems.



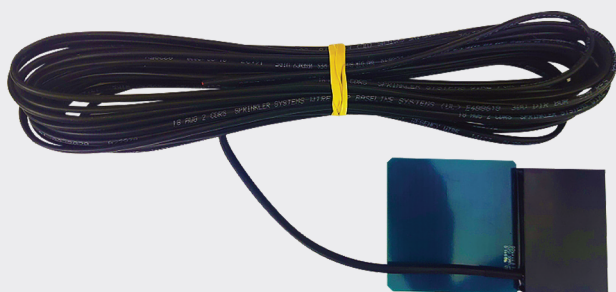
Sentinel® Central Control



Rain Master® Laguna™ View



Sentinel® WMS View



TW-DAC-SOIL

Specifications - Flow Decoder

TW-DAC-FLOW

- Designed to work with most flow sensors and flow meters that produce a pulsed output
- Compatible with 2 or 3 wire flow devices

Mechanical Requirements and Considerations

- Freeze/heat resistant -4°F to 140°F (-20°C to 60°C)
- Manufactured with 24 inches of 16-gauge PVC jacketed solid core wire to connect to the two-wire and 24 inches of 18-gauge PVC jacketed stranded core wire to connect to the valve wire.

Specifications - Soil Decoder

TW-DAC-SOIL

- Sensor blade is constructed of a mult-layer fiberglass stick
- No electrical contact with soil
- Has a built-in temperature sensor used while calibrating the soil moisture readings
- Can only be connected to Sentinel and DX3 controllers
- Requires 3M™ DBR/Y-6* or equivalent wire connections on the two-wire side
- Requires all connections to be installed according to manufacturer's instructions
- Has a standard warranty of 2 years from the date of installation

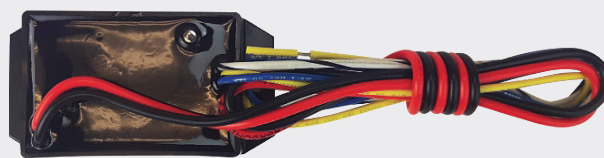
Mechanical Requirements and Considerations

- Freeze/heat resistant -4°F to 140°F (-20°C to 60°C)
- Comes with 50 feet of 18-gauge (UL) direct burial, dual conductor irrigation cable to connect to the two-wire (voltage rating: 300V, temp rating: 167°F (75°C))
- Compact Soil Sensor
 - Sensor logic module measures 2" x 3" x 1"
 - Sensor blade measures 3.2" x 3.25" x .075"
 - Measured volume is 4.5 in³, or 0.25" on either side of the sensor

* 3M is a trademark of 3M company in the U.S. and other countries.

FLOW AND MOISTURE DECODERS MODEL LIST

Model	Description
TW-DAC-FLOW	Decoder, Flow Sensor
TW-DAC-SOIL	Decoder, Moisture Sensor
TW-CAB-14	Cable, 14-Gauge Polycoated
TW-SPLICE-14	Connectors, Direct Bury (24-Pack)



TW-DAC-FLOW



www.toro.com

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

Specifications subject to change without notice. For more information, contact your local Toro distributor. ©2020 The Toro Company. All rights reserved.

P/N 20-1194-IRC