

**PRODUCTS &
TECHNICAL INFORMATION**
SENSORS

CONTROLLERS | SATELLITES | CENTRAL CONTROLS | ROTORS | SPRAYS | IMPACTS | VALVES | SENSORS

Intelligence • Information • Irrigation™

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Part No./Rev.: 99903323
Revision No.: A
Date: March 2010

SENSORS

PRODUCT OVERVIEW

8501



- Easily installs on any Galaxy or Constellation satellite.
- Includes 25 ft (7,6 m) of 20 AWG two-conductor wire.
- Maintenance-free patented sensing mechanism.
- Automatically shuts off and starts irrigation based on local parameters.

ACASI ACANSC



- Easily installs on any Galaxy or Constellation satellite.
- Includes 10 ft (3 m) of 20 AWG two-conductor wire.
- Maintenance-free patented sensing mechanism.
- Automatically shuts off and starts irrigation based on local parameters.
- Tough polycarbonate construction for direct burial.
- 4-20 mA Sensing board required (sold separately).

ACNS1 ACNS2 ACNS3 ACNS4 ACNS5 ACNS6 ACNS7



- Easily installs on any Galaxy or Constellation satellite (Firmware v6.00+).
- Includes 10 ft (3 m) of 20 AWG two-conductor wire.
- Maintenance-free patented sensing mechanism.
- Automatically shuts off and starts irrigation based on local parameters.
- Tough polycarbonate construction for direct burial.
- Variety of sensing programming parameters

FEATURES

- Unit ready for bracket mount or ½" (12,7 mm) conduit/pipe thread mount at bottom
- Adjusts easily from ⅛" (3,2 mm) to 1" (25,4 mm) rainfall
- Compatible with most controller brands (Ready for normally-closed or normally-open hookup)
- Supplied with 25 (7,6 m) ft of hookup wire
- Saves unneeded watering
- Designed to be used with low voltage irrigation systems only

SPECIFICATIONS



MODELS

8501
Rain-Trip®

- Provides linear measure of soil moisture content
- Works on any Constellation® firmware



ACASI
Soil Moisture Sensor
Analog Output

ACANSC
Sensor Card
(required for 4-20mA
linear sensors)
(not shown)

- Can broadcast up to four outputs (soil moisture, EC, soil temperature and wetted front) across the network and trigger any program on any controller in the network to either start or stop based on adjustable targets set in a program for any of the four sensor outputs
- The firmware allows for the selection of any one output or a combination of the four outputs in one sensor
- The firmware can be upgraded from the controller without having to dig up the sensor
- Each controller can have a maximum of 2 1,000 ft runs of 18 AWG 4 conductor / 2 pair wire connecting up to 15 sensors
- Up to 999 controllers and/or sensors on one network
- The PRO-sense design makes it easy to install with little or no soil or root disruption



ACNS1
Soil Moisture Sensor

ACNS2
Soil EC (Electrical Conductivity) Sensor

ACNS3
Soil Temperature Sensor

ACNS4
Soil Wetted Front Sensor

ACNS5
Soil Moisture, Soil EC

ACNS6
Soil Moisture, EC, Temperature

ACNS7
Soil Moisture, EC, Temp & Wetted Front Sensor

NOTE:
Constellation Firmware v6.00 or higher required



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