

The Constellation Field Controller/Satellite delivers the ultimate in power, ease and value. Constellation is designed to function as a stand-alone controller or as a satellite in a network with or without a central computer. In fact, each Constellation controller/satellite is like having a central computer in the field for unprecedented control and unparalleled value. Constellation is easy to operate with flexible configuration and communication options. Fits every commercial application — from parks, sports complexes, and business parks — to cemeteries, theme parks, HOAs and schools, etc.



*Constellation Plastic Pedestal
with 48 stations
(6 B modules x 8 stations
per module = 48)*



Constellation Wall Mount

FEATURES AND BENEFITS

NETWORK

- Patented true two-way communication (peer to peer) allows a Constellation controller/satellite to operate as a stand-alone controller or as part of a satellite network with or without a central computer
- Sensor inputs allow satellites to monitor, store and share data from multiple sensors across a network
- Hardwire, telephone, ethernet and radio communications can be used on the same network
- Cell phones and handheld radios can be used as remotes
- Backward and forward compatible with firmware match
- Network can be monitored and controlled at any satellite through our patented Peer to Peer communications, or through a central computer with our desktop software, or through the internet with our eConstellation™ service, or all of the above
- Hardwire ready configuration allows for quick and inexpensive installation of our patented Peer to Peer communication between satellites

CONTROLLER/SATELLITE

- Multilingual user interface
- Enable and disable commands with delay timer
- User-selectable, 12-hour or 24-hour clock format
- Semi-automatic, manual and delayed manual station control
- Global, controller/satellite, program water budgeting from 0-999%
- Open, Overload and short-circuit protection
- User-selectable Water Budget or ET-adjusted control for each irrigation schedule/program

Do Anything... from Anywhere.

- Master valves (2 NC/2 NO) and local and remote pump capabilities and pump start
- Accommodates up to two sensors and shares an additional 4 sensors across a network
- Flow monitoring and reporting of over-flow or under-flow conditions
- Generates alarms, flow and status reports which can be transmitted to a user defined location and/or stored in the local alarm log
- Pedestal units can be configured for 96 traditional stations, or 250 decoder addresses (6 valve modules max. within a pedestal)
- Wallmount units can be configured for 48 traditional stations, or 250 decoder addresses (3 valve modules max. within a wallmount)
- Manages 128 fully independent, customized schedules/programs
- Each schedule/program has 8 start times and can accommodate up to 48 events, stations can be run in any sequence and you have the capability to run the same station multiple times within the same schedule/program, each with a different run time if needed
- Programs can be linked to start when another program ends — from any satellite on the network
- Each schedule/program has a completely independent watering calendar which can be All Months, Months, Weeks, Odd/Even or interval up to 99 days
- Virtually unlimited flexibility for specific cycle scheduling/programming
- Multiple repeats and pauses within a schedule/program



Constellation Plastic Pedestal front view with 32 stations
(2 C modules x 16 stations per module = 32)



Constellation Plastic Pedestal back view
(showing the other half of the C modules pictured above)



ENCLOSURE OPTIONS

Plastic Pedestal:

Black Granite, Green Granite, Gray Granite, Tan

Wall Mount:

Large (Indoor/Outdoor Mount), Gray Only

Heavy-Duty Stainless Steel:

Top Opening or Front Opening

NETWORK COMMUNICATIONS OPTIONS

Hardwire (Standard)

Digital Spread Spectrum Radio (License Free) [900 MHz]

Ethernet Modem

REMOTE COMMUNICATIONS OPTIONS

Handheld Maintenance Radio [VHF]

Landline Telephone

Cellular Phone (CDMA and GSM)

Ethernet Modem

SENSOR OPTIONS

Accepts both Pulse (standard) and 4-20mA (optional equipment required) sensors

Pulse Sensors:

ET Gauge

Tipping Rain Bucket

Rain Switch

Flow Meter

Frost /Temperature

Any On/Off or Active/Non-Active

4-20mA Sensors:

Soil Temperature

Soil Moisture

Flow

Pressure

VALVE MODULE OPTIONS

A style = 16 station (small terminals)

B style = 8 station (large terminals)

C style = 16 station (large terminals, pedestals only)

D style = 125 address decoder

ELECTRICAL OPTIONS

Input Power:

■ 115 VAC, 60 Hz

■ 0.20 amps @ 115 VAC, 60 Hz (no load)

■ 0.80 amps @ 115 VAC, 60 Hz (max. load)

Station Output Power

■ 24 VAC (120 VA) total

■ Station draw: max. 3 solenoids per station,
14 stations simultaneously (max. 3.2 amps)

DIMENSIONS

Metal Wall Mount

■ Width: 14" / Height: 18" / Depth: 4 1/4"

Plastic Pedestal

■ Width: 16" / Height: 45" / Depth: 11 5/8"

SIGNATURE CONTROL SYSTEMS, INC.

For almost 100 years, Signature Control Systems, Inc. (formerly Union Tools and Thompson Manufacturing) has been dedicated to providing the highest-quality products and services in the industry.

Signature Control Systems, Inc. is an industry leader in the design and manufacturing of Turf Management Systems including intelligent irrigation controllers, and site management software—providing landscape managers, golf course superintendents, as well as property managers direct control of irrigation and water resources.

For more information, please contact:

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**Do Anything...
from Anywhere.**

CONSTELLATION
CENTRAL CONTROL SYSTEM