



TWI-H-12/24 Controller

Smart Irrigation
From the Ground Up

(800) 272-7472
www.tucor.com

The **TWI-H** is the Tucor® Hybrid controller based on decades of proven field experience. The TWI-H has flexibility in the selection of Ethernet communication, zone output type and capacity, wired or wireless valves, solar or AC power.

With options of LAN, WLAN, WIFI, cellular or any combination of the four methods, the TWI-H is ideally suited as the backbone of a controller retrofit program.

- To reduce the amount of controllers needed for retrofit projects, the Tucor® TWI-H has the added flexibility of multiple standard and wireless valve output terminals. For that instance where a remote valve is inaccessible, the TWI-H features a wireless battery powered system for DC/latching valves.
- The capability of managing up to 10 flow sensors (wired or wireless) and 9 booster pumps eliminates the need for multiple controllers when projects have multiple P.O.C's.

In addition to having the capacity of up to 200 zones, at its core, the TWI-H is a sensor based controller. Programs can be easily controlled based on tank levels, soil moisture sensors, pH, pressure or any 4-20mA sensor on the market.

For alternate water source applications requiring PLC like features, multiple If / Then scenarios can be built on top of each other, with a previous operation in turn causing another reaction. Or if the initial event doesn't change, another operation can be performed.

Programming access is from any standard web browser. Real-time control of the TWI-H is performed the same way: turn on stations and programs just like you are in front of the controller.

SPECIFICATIONS

Specifications:

Available in 12/ 24 valve increments up to 192.

Valve output:

- Valve terminal - 12/ 24
- Wireless valve terminal - 4/8/12
- Wireless DC/Latching -1 up to 10 per wireless group.
- 2-wire decoder -1 up to 200.

10 sensor inputs

Sensor types:

- 4-20 ma.
- Pulse
- Contact.

15 simultaneous valves per program.

10 simultaneous programs.

Sequential or random order of valves per sequence (step).

10 pump controllers-1 MV - 9 booster.

Software:

Server based Web access using web browser, java-based

All smart phone/pad applications

Communication:

Cellular

- AT&T
- Verizon
- T-Mobile

LAN via existing CAT-5

W-LAN via 900 MHz Radio Bridge.

WIFI via existing 2.4GHz network.

Broadband mesh network via 900 MHz radio network.



TWI-H Controller

Sensors:

Sensor type	Wired	Wireless
Flow	X	X
pH	X	X
Level	X	X
Pressure	X	X
Soil Moisture	X	X

Options:

ET-300-WX	Weather Station
ET-Server	Server Sourced ET
RFA-100	Field Service Radio
WDR-400-WV	Wireless Valve System

Ordering Configurations:

TWI 12	12 zone decoder controller
TWI 24	24 zone decoder controller
TWI-H-12	12 zone hybrid controller
TWI-H-24	24 zone hybrid controller
TWI-H-12 EXT	12 zone expansion
TWI-H-24 EXT	24 zone expansion