

# Nexus Wireless Flow



## SPECIFICATION

### BUSINESS FIELD

- LANDSCAPE & TURF
- GREENHOUSE, NURSERY & INDUSTRIAL
- AGRICULTURE
- GOLF



**The Tucor Wireless Flow System (WFS)** belongs to the Tucor Nexus family of products. The purpose of the WFS is to wirelessly transmit the high-frequency pulse required of today's smart controllers that are looking for a rate of flow (GPM) as well as volume.

The Nexus Wireless Flow System consists of WFG gateway and WFT 900 MHz radio transmitter. The Nexus Wireless Flow system is built around the Tucor Nexus Link Series of industrial grade 900 MHz radios.

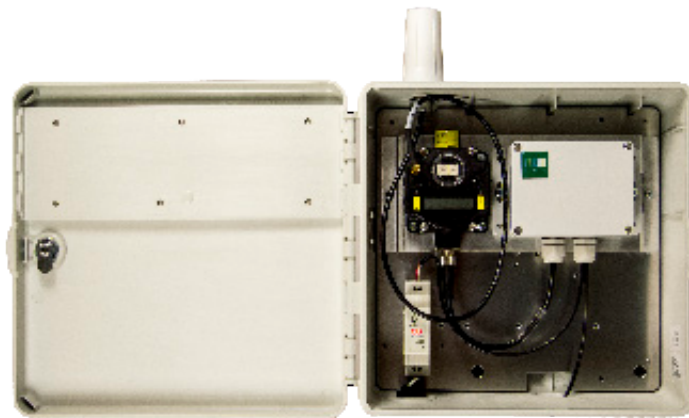
The Nexus WFS is compatible with most manufacturers controllers and pulse output flow sensors. The WFS can support up to 4 flow sensors transmitting to one receiver gateway.

**Combined flow:** The WFS can read up to 4 flow sensors and sum the pulses to form a combined flow/volume. The flow/volume meter must be of the same type.

**Average flow:** The WFS can average the combined pulse count and divide the count by the number of sensors to form an average count before it is sent to the controller.

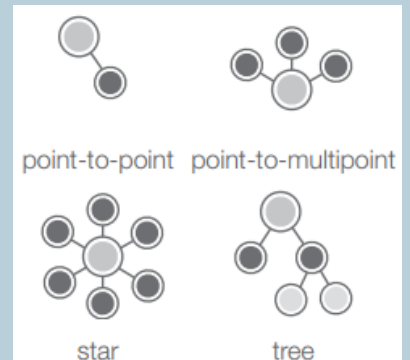
Available in powered model for rate of flow (GPM) and non powered models for volume flow sensing.

**Works with any controller**  
**Works with any flow sensor**



## RADIO FEATURES

- Built in RSSI (radio signal strength indication)
- Bidirectional radio communications
- Coverage from feet to miles
- Radio link loss monitoring
- License-free operation with global regulatory compliance in the ISM frequency bands: 902 to 928 MHz and 2.4 to 2.5 GHz.



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# Nexus Wireless Flow



## Specifications:

Mechanical mounting:

Aluminium plate with radio and poly carbonate box for indoor applications. Alternative mounting:

Snap track mounting system for Tucor Controllers

Pulse output to controller:

Optocoupler Max Output pulses/sec: 1000

Polling rate:

User configurable to every 10 seconds, 1 minute, 10 Minutes and 1 hour

Test and Status indication:

Output test button sends a 20 pulse/sec signal to the controller

Sensor test button polls the defined number of sensors one by one with

ok/fail indicated by a green/red led for each of the sensors

WFG Gateway supply voltage:

24 VAC via PWR/GND on screw terminals

WFT Powered Transmitter Supply Voltage:

120 VAC to 12 VDC mains power

12 VDC Solar Power Battery



Wireless Flow Gateway  
LW-400-WFGI



Wireless Flow Transmitter  
LW-400-WFTI



Solar Power Panel

## How to Order:

### Nexus Link Wireless Flow System

Part Number	Product Description
Link Wireless Flow Gateway	
LW-400-WFG	Link Wireless Flow Gateway Includes: WPRT wireless pulse receiver/transmitter in poly carbonate enclosure, 3db external antenna 900 MHz LW-500 radio, plastic 12x12x6 enclosure with DC power supply.
LW-400-WFGi	Link Wireless Flow Gateway Includes: WPRT wireless pulse receiver/transmitter in poly carbonate enclosure, 900 MHz LW-500 radio, On mounting plate with DC wall power supply .
Link Wireless Flow Transmitter Powered	
LW-400-P-WFT	Link Wireless Flow Transmitter Includes: 900 MHz LW-400 radio, 3 db external antenna, plastic 12x12x6 enclosure with DC power supply.
LW-400-P-WFTi	Link Wireless Powered Flow Transmitter Includes: 900 MHz LW-400 radio, on mounting plate with DC wall power supply for high frequency rate of flow (GPM) flowmeter.
LW-400-P-WFT-SP	Link Wireless Solar Powered Flow Transmitter Includes: 900 MHz LW-400 radio, Plastic 12x12x6 enclosure with Solar power supply for high frequency rate of flow (GPM) flowmeters.
LW-400-P-WFT-NH-ASSY-X (1.5, 2, 3, 4, 6)-N.O	Link Wireless Powered Flow Transmitter Includes: 90MHz LW-400 radio, Plastic 12x12x6 enclosure with DC power supply for high frequency rate of flow (GPM) flowmeters, includes Netafim PHD Hydrometer(1.5,2,3,4,6,) inch sizes.
Note: Call for compatible High frequency rate of flow powered (GPM) flow sensors	
Link Wireless Flow Transmitter Non Powered	
LW-400-N-WFT	Link Wireless Non Powered Flow Transmitter Includes: Battery operated 900 MHz LW-400 radio, Plastic 12x12x6 enclosure for low frequency volume sensors.
LW-400-N-WFTi	Link Wireless Non Powered Flow Transmitter Includes Battery operated 900 MHz LW-400 radio, on mounting plate for low frequency volume flow sensors.
Link Repeater Assembly	
LW-400-SPR	Link Solar Powered Wireless Flow Repeater Assembly Includes LW-400 900 MHz repeater, poly carbonate enclosure, surface mount 3" Omni antenna, SP5 5 Watt Panel and Battery
LW-400-MPR	Link Mains Powered Repeater Assembly Includes LW-400-MP 900 MHz repeater, Poly Carbonate Enclosure, DC/PS, surface mount 3" Omni antenna.

## Contact Tucor:

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## More information:

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