

Tank Mesh Wireless Communication **APG**



Tank Mesh Wireless Communication is APG's customizable and scalable telemetry solution. Built using 900 MHz radios, Tank Mesh Wireless Communication components can transmit signals from analog or digital sensors for integration into a Modbus RTU network and connect to the Ethernet via Modbus TCP/IP.

Sentinel Features

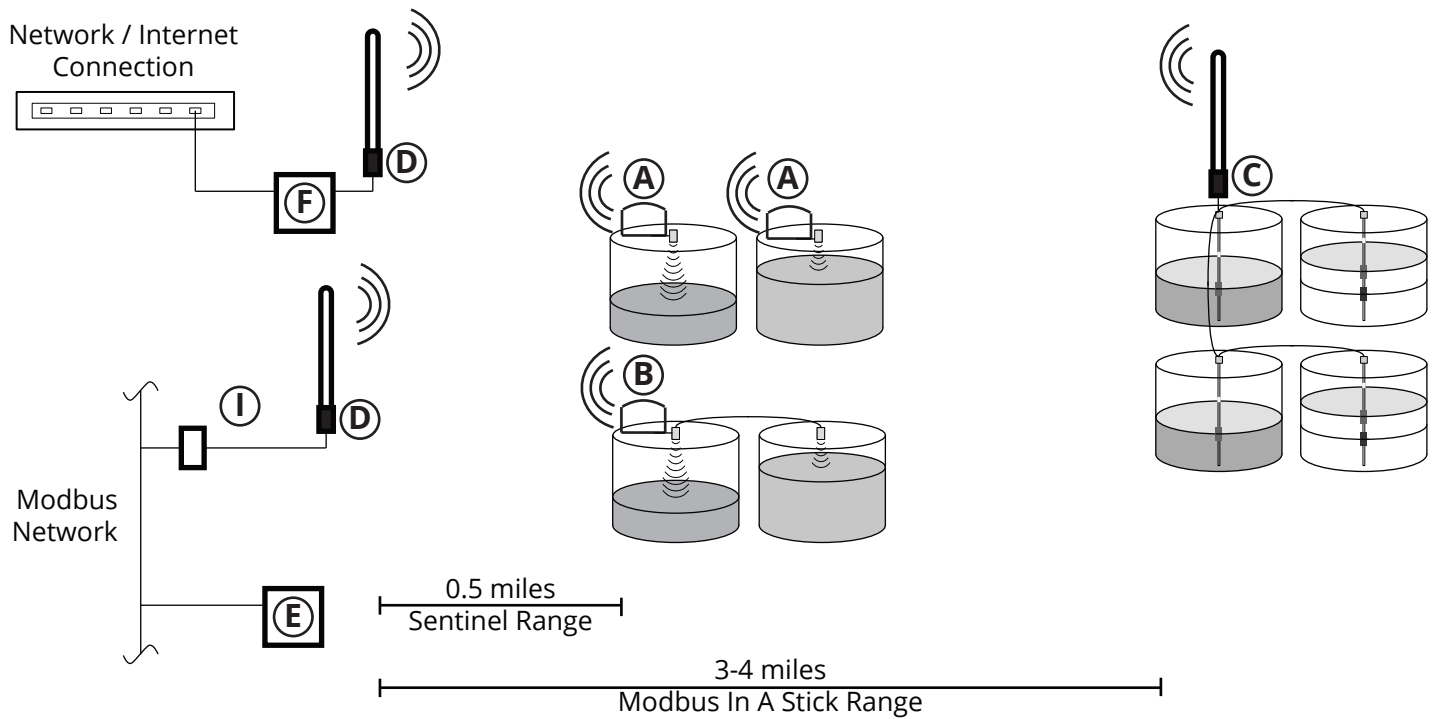
- Intrinsically Safe: Class I, Div 1, Groups C & D, T3
- Operating Temperature: -40° - 140° F (-40° - 60° C)
- 3 - Lithium D battery pack included
- Battery Life: 1 - 10 years, based on sensor requirements
- Radio Range: Up to 0.5 miles
- Compatible Sensor Outputs: 4-20 mA, 1-5 VDC; Modbus
- Star or Mesh network configuration automatic

Stick Transceiver Features

- Non-Incendive: Class I, Div 2, Groups C & D, T5
- Operating Temperature: -40° - 158/185° F (-40° - 70/85° C)
- Power: 6-36 VDC
- Radio Range: at least 3 miles
- Signal Interface: Modbus RTU / Modbus RTU & TCP/IP
- Star or Mesh network configuration automatic



Tank Mesh Wireless Configuration



Tank Mesh Wireless Components

Key	Description	Part Number
A	900 MHz Sentinel - 4-20 mA / 1-5 VDC Input, Battery Pack; 0.5 mile range	123006
B	900 MHz Sentinel - Modbus Input, Battery Pack; 0.5 mile range	123007
C	Modbus In a Stick Transceiver - with 25' cable, DIN Mounted Interface Board; 3-4 mile range	123008
D	Gateway In a Stick Transceiver - with 25' cable, DIN Mounted Interface Board; 3+ mile range	123009
E	DIN Mount Gateway for 900 MHz Radio Antenna ¹	123010
F	DIN Mount Ethernet Gateway for Gateway In a Stick	123011
G	USB to Serial DB9 Configuration Cable	123012
H	USB to Serial 4 Pin Configuration Cable for Battery Powered Nodes	123013
I	Din Mount Interface Board ²	123014

Notes:

1. Antenna not included with Gateway.
2. Interface Board included with Stick Transceivers.