FREEWAVE

WC30i-TZ

WC45i

WC20i

WaveContact
Modular Wireless Systems

WaveContact Modular wireless systems deliver rugged, simple, and flexible solutions that can be easily and quickly installed at a low price point.

WaveContact interfaces with a wide variety of sensors deployed in industrial and critical infrastructure markets such as oil and gas, electric power, water and wastewater, and environmental monitoring.

The product line is built for short-range field applications where simplicity and ease of use in Class I, Division 1 hazardous locations are critical for success.

Potential Applications:

- Tank level monitoring
- Tubing & casing pressure monitoring
- Remote well shutdown
- Chemical injection/flow measurement
- Gas monitoring (vented and flared, bio-gas)
- Temperature monitoring (Flare stack, separator, compressor, tanks)
- Fluid flow measurement
- Salt water disposal
- Remote sensor configuration

Key Features

Rugged Communications for Remote Industrial Environments:

- Robust products for C1D1 outdoor installations
- Battery and solar devices power sensors
- Frequency Hopping Spread Spectrum (FHSS) 900 MHz radio telemetry

Simple to Install and Operate:

- Easy configuration
- Network up and running in minutes

Flexible Networks with Modular Endpoints:

- HART, Analog, Digital, Modbus interfaces

Cost-Competitive Solution:

- Installed costs competitive with 60 feet of installed conduit
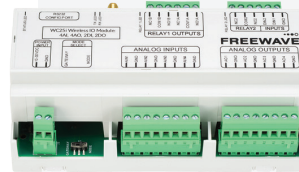- Allows data transmission not feasible with conduit (road crossings, paved facilities)

Data Sheet: WaveContact | Modular Wireless Systems

Designed, Manufactured, and Tested in Boulder, CO

Made in USA

MANAGE WaveContact I/O

WC45i Gateway

Integrated wireless gateway provides a management system for all WaveContact I/O products. It stores sensor data in a Modbus format and manages outbound communications.

REPLICATE analog and digital signals over a wireless link

WC25i Wireless I/O Module

Deploy wire replacement to implement industrial automation where wired installations would be cost prohibitive.

GATHER data at the edge

WC20i Modular Endpoints

Wireless endpoints power and transmit data from HART, AI, DI, Modbus, RTD, and Thermocouple sensor devices. Intrinsically safe Class I, Division 1 classification.

INTERFACE wirelessly with Modbus devices

WC40i Modbus Wireless I/O System

Automatically read and transmit sensor registers at user-definable intervals and write Modbus registers. The WC40i Modbus Endpoint uses the same easy-to-use, table-driven configuration interface as the WC45i Gateway.

VIEW flow rate, totalizer, and diagnostics

WC30i-TZ Wireless Totalizer

Deploy an intrinsically safe totalizer solution for industry standard turbine meters.

IMPLEMENT an intrinsically safe wireless solution

WC30i-AXIS Wireless Angle Sensor

A wireless, solid-state inclinometer that measures an angle from horizontal using two modes (Hatch Detection and Pump Jack Detection) and a 3-axis Accelerometer that constantly monitors angle with its internal sensor and reports status when changes occur.

EASILY integrate pressures

WC30i-PSI Wireless Pressure Sensors

Wireless pressure sensors are quickly installed and deployed at a low price point. Intrinsically safe Class I, Division 1 classification.

CONFIGURE intuitively

FreeWave WC Toolkit

Swiftly deploy WaveContact wireless networks with simple device setup.

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