



NEW PRODUCT HIGHLIGHT

IWR-1 SINGLE-CHANNEL WIRELESS RECEIVER

The IWR-1 is a single-channel receiver designed to pair with a single industrial wireless transmitter to form a cost-effective replacement of traditional wired transducers.

It aggregates real-time sensor data from one remote source and shares it with a local wired circuit, making it an important part of a wireless system that aids in the 24/7 monitoring of factory assets. It provides factory personnel the ability to quickly setup and derive important information about their assets and automation systems.

BUILT FOR USE IN HARD TO MAINTAIN LOCATIONS
Provides clear, reliable transmission of data in environments with obstructions.

PRE-CONFIGURED FOR FAST SETUP
Works out-of-the-box without configuration, but configurable to meet the specific application needs.

REDUCES INSTALLATION COSTS FOR CABLING
Replaces expensive or time consuming cable runs with a simple one-to-one wireless interface

INTEGRATES SEAMLESSLY TO THIRD PARTY SYSTEMS
Provides simple integration to tower lights, audible alarms, or other local indication types in the work environment.

PROTECTS DATA WITH A SECURE NETWORK
Confidently maintains data security with end-to-end encryption.

BUILT-IN ALARM FUNCTION FOR BETTER MAINTENANCE
Eliminates troubleshooting by identifying and providing visual indication with a fail-safe alarm for low battery or loss of signal.

SMALL FORM FACTOR FOR INSTALLATION IN CRAMPED SETTINGS
Easily fits in the palm of your hand and in your work environment. Can be rigidly mounted to a wall or machine.

POWERED THROUGH LOW VOLTAGE FOR LOWER INSTALLATION COSTS
12-32V DC powered in any industrial or manufacturing environment without the need for an electrician.

APPLICATIONS

- Smart Factory
- Manufacturing
- Aerospace
- Automotive
- Electronics
- Food & Beverage
- Machine Tool
- Packaging
- Pharmaceutical
- Semiconductor
- Steel

SPECIFICATIONS

Electrical Protection

Outputs*	User selectable 1-5 V or 4-20 mA
Alarm Output	5 Amp rated changeover contacts
Receiver Update Rate**	10 seconds as standard
	Alternative user settable rates: - 1, 5, 10 and 30 seconds

*Factory preset is 4-20mA output

**Consult IWT installation manuals and data sheet for set-up of alternative transmission rates.

System Performance (@ +20°C)

Accuracy	$\leq \pm 0.25\%$ FS BFSL
Setting Errors (offsets)*	Zero and Full Scale $\leq \pm 0.5\%$ FS

*End-to-end zero tare function available, see user manual.

Instrument Power Source

DC Power	12 to 32Vdc
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Temperature Ratings

Operating Temperature	-10°C to +50°C
Storage Temperature	-20°C to +80°C

Enclosure Specifications

Dimensions	120 mm x 80 mm x 57 mm
Material*	Light grey ABS (RAL7035)
Protection Class	IP65
Weight	215g inc. 0dBI antenna (+12g with 3dBI)
Installation Position**	Any

*Other materials on request.

**Consult Installation Manual to ensure adequate signal path between transmitter and receiver.

Receiver Input

Receiver Frequency*	2.4GHz
System Channel	Standard setting, however user adjustable in multiple instrument systems
Antenna	Enclosure mounted 0dBi

*Compliant with EN 300 328, V1.8.1

CONTACT US

Americas

310 561 8092 / 1 866 258 5057
c3w_sales@sensata.com
Cynergy3 Components LLC
11642 Knott Ave, E-5
Garden Grove 92841, CA
United States

Europe, Middle East & Africa

+44 (0)1202 897969
c3w_sales@sensata.com
Cynergy3 Components Ltd.
7 Cobham Road,
Ferndown Industrial Estate,
Wimborne, Dorset,
BH21 7PE, United Kingdom