

Contact Closure Smart Sensor Weatherproof Enclosure

PRODUCT OVERVIEW

The CONT-1022-N Smart Sensor is a contact monitoring device which accepts two contact inputs and is a member of the SensiNet wireless sensor network. It continuously monitors the state of its inputs and reports their status on a selectable reporting interval and will also report any change in status immediately for real-time alarming. The CONT-1022-N can be used with a variety of switches including mechanical, IR, and magnetic .



Model: CONT-1022-N

Smart Sensor Benefits

Simple - Install and turn on...the system does the rest. Over the air configuration through standard web browsers eliminates complicated software. Sensors can even receive firmware updates over the network.

Robust - Rugged electronics combined with extensive self diagnostics provide a rock solid measurement system which continually monitors and reports system health such as battery voltage and connection status

Accurate - Self calibration and auto zero eliminates errors due to drift.

SensiNet Network Benefits

Reliable - Mesh networking provides multiple acknowledged and error checked communication paths ensuring the message always gets through while spread spectrum, frequency hopping radio technology eliminates interference effects. The network is also self healing and able to recover from interruptions by seeking alternate paths.

Flexible - Move, add or eliminate sensors and the network reconfigures itself automatically.

Universal - Multiple protocols including Modbus, OPC, SNMP, ODBC, and Web Services ensure system compatibility or operate the system as a stand alone data logging system with local or web based logging.

Scalable - The same network can start with a single point and grow to thousands without replacing any components or performance degradation.

SPECIFICATIONS

Device Specifications	
Radio	IEEE 802.15.4 compliant, 2.4 GHz DFSS
Regulatory	FCC Part 15 and CE Approval
Antenna	Internal antenna
Range	Up to 700 ft/212m range (outdoor, line of sight) Up to 230 ft/70m range (typical indoor conditions)
Operating temperature	-10° C to 50° C
Operating humidity	Up to 100% non-condensing
Battery	"C" Size 3.6 lithium thionyl chloride battery
Battery life	2 years at 1 minute reporting intervals
Duty cycle	Remotely user adjustable; default to 1 minute
LED	Diagnostic LED indicating power/connectivity
Dimensions	6.5"W x 6"H x 5"D 165 mm x 155 mm x 125 mm
Packaging	ABS Box - IP65 rated
Mounting	Surface mount ears
Input Specifications	
Number of circuits	2 channels
Supported switches	Use with any STSP electrical contact switch, magnetic, mechanical relay, photocell, IR etc.
Frequency of detected change state	1/10 second
Switch cable distance	10 meters (switch sensor)
Sensor terminal connection	• #28 to 14 AWG gauge • Clamping yoke connection