SENSE IT
TECHNOLOGIES
MONITORING AND CONTROL SOLUTIONS



LoRaWAN Wireless Pulse Counter and Digital Input Sensor

SKU: SI-LRW-1INP-DRY-001

Monitor the status of doors, gates, equipment and pulse outputs with a compact wireless digital input sensor. Designed for industrial, commercial and utility applications, it detects contact changes and pulse signals to provide real-time status monitoring, event logging and remote alerts.

OVERVIEW

The Sense It Digital Input & Pulse Monitoring Sensor provides reliable monitoring of dry contacts, relay outputs and pulse signals from a wide range of equipment. It enables organisations to remotely monitor equipment status, count pulses and receive immediate notification when monitored inputs change state.

The sensor is suitable for monitoring door contacts, gates, roller shutters, security systems, equipment alarms, relay outputs, pump run status, generator status, machine operation and many other digital signals. It also supports pulse counting from utility meters, allowing electricity, water, gas and other consumption meters with pulse outputs to be monitored remotely.

Its versatile digital input allows integration with existing equipment without requiring major modifications, making it ideal for both retrofit and new installations. Pulse counting enables organisations to monitor utility consumption, production counts and equipment operation using existing pulse-enabled meters and sensors.

When connected to the Sense It monitoring platform, users can view live input status, pulse counts and historical events from any location. Alarm notifications can be delivered via WhatsApp, email, Telegram or in-app notifications whenever monitored equipment changes state or predefined thresholds are reached.

The compact battery-powered design enables installation where mains power is unavailable, while its rugged enclosure provides reliable operation in demanding indoor and outdoor environments. Long battery life and low maintenance requirements make it a practical solution for remote asset monitoring across multiple sites.

KEY FEATURES

- Monitors dry contact inputs
- Supports pulse counting
- Monitors door and gate contacts
- Suitable for utility meter pulse outputs
- Monitors equipment status
- Detects relay output changes
- Supports machine run monitoring
- Real-time status monitoring
- Historical event logging
- Configurable alarm notifications
- Battery-powered operation

- Long battery life
- Compact industrial design
- Suitable for retrofit installations
- Low maintenance operation
- Remote monitoring through the Sense It platform
- Suitable for indoor and outdoor environments
- Supports preventative maintenance
- Reliable digital input monitoring
- Simple installation

TECHNICAL SPECIFICATIONS

General

- Measurement type: Digital input and pulse counting
- Supports dry contact monitoring
- Supports pulse output monitoring

Performance

- Pulse counter
- State change detection
- Historical event logging
- Configurable reporting intervals

Electrical

- Input type: Dry contact
- Pulse input supported
- Maximum pulse frequency: 250 Hz

Environmental

- Operating temperature: -30 °C to +60 °C
- Operating humidity: 0–100% RH non-condensing
- Protection rating: IP67

Power

- Replaceable 4000 mAh lithium battery
- Typical battery life: Up to 5 years

Physical

- Compact industrial enclosure
- LED status indicator
- External cable connection

Installation

- Wall mounting
- Suitable for indoor and outdoor installations
- Connects to dry contacts and pulse outputs

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