AT-U with External Sensor Support

January 2024

4-20 Outputs

Features	• Up to (4) 4-20 Outputs • User Sensor Type Configuration on Dashboard • External Power + Battery Backup • Deep Sampling • Threshold Setting for Each Output

Sensors

Accelerometer

Features	Vibration (SD, G) Tilt (°) Impact (G) Angle Self Calibration Custom Thresholds
Type	3-axis XYZ
Range	Up to 8G

Temperature

Features	4-Pin for 4-20 Outputs Temperature (°F, °C) High Temp Threshold (Fire) Low Temp Threshold
Range	-40 to +85 °C -40 to +185 °F
Accuracy	+/-0.4 °C +/- .72 °F

EMF

Features	Voltage Reading Presence/Absence Custom Thresholds
Measurement	mV

Physical

Enclosure

Material	NEMA Outdoor Weatherproof, Flame Retardant Polycarbonate
Dimensions	5.78 x 3.42 x 2.17in 147 x 87 x 55mm
Weight	0.80lb / 0.36kg

Battery

Type	D Size Spiral Cell Lithium Thionyl Chloride
Voltage	3.7V

Installation

Type	Screw-mounted
Location	Top & bottom flanges

Storage & Communication

Storage

Flash Memory	2 MB on board
Memory Interface	SPI

Communication

Type	Cellular - LTE CAT-M1
Type	Bluetooth - BLE 5 Low Energy
Frequency	2.4GHz

ATOMATION