



AT-R

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

Physical	
Enclosure	
Material	NEMA 6P Outdoor Weatherproof Flame Retardant Polycarbonate
Dimensions	2.28 x 2.52 x 1.38 in / 57.91 x 64.01 x 35.05 mm
Weight	0.25lb / 0.11kg
Battery	
Type	AA Size Lithium
Voltage	3.6V
Installation	
Type	Screw-mounted
Location	Top & bottom flanges
Storage & Communication	
Storage	
Flash Memory	2 MB on board
Memory Interface	SPI
Communication	
Type	Bluetooth - BLE 5 Low Energy
Frequency	2.4GHz

AT-R

With External Temperature Probe



Sensors	
Accelerometer	
Features	Vibration (SD, G) Tilt (°) Impact (G) Angle Self Calibration Custom Thresholds
Type	3-axis XYZ
Range	Up to 8G
Temperature	
Features	Temperature (°F, °C) High Temp Threshold (Fire) Low Temp Threshold
Range	-55 to +165 °C -67 to +330 °F
Accuracy	+/-0.4 °C +/- .72 °F

Physical	
Enclosure	
Material	NEMA 6P Outdoor Weatherproof Flame Retardant Polycarbonate
Dimensions	2.54 x 2.28 x 1.41 in / 64.68 x 58.01 x 36 mm
Weight	0.41lb / 0.19kg
Battery	
Type	AA Size Lithium
Voltage	3.6V
Installation	
Type	Screw-mounted

Storage & Communication	
Storage	
Flash Memory	2 MB on board
Memory Interface	SPI
Communication	
Type	Bluetooth - BLE 5 Low Energy
Frequency	2.4GHz

Gateway



Compatibility, Communication and Storage

Compatibility

Atoms	AT-C AT-R
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Communication

Type	Cellular - LTE CAT-M1
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Features	Cellular communication with Atomation Cloud GPS
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Type	Bluetooth - BLE 5 Low Energy
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Features	Wireless communication with Atoms Communication with App
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Frequency	2.4GHz
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Range	Up to 0.5 Miles / 800M
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Storage

Backup Memory	8 MB on board
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Physical

Enclosure

Material	NEMA 6P Outdoor Weatherproof Flame Retardant Polycarbonate
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Dimensions	5.78 x 3.42 x 2.17in / 147 x 87 x 55mm
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Weight	0.80lb / 0.36kg
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Battery

Type	D Size Spiral Cell Lithium Thionyl Chloride
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Voltage	3.6V
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Installation

Type	Screw-mounted
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Location	Top & bottom flanges
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AT-U

Sensors

Accelerometer

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

Temperature

Features	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



AT-U with External Sensor Support

4-20 Outputs

Features	<ul style="list-style-type: none"> Up to (4) 4-20 Outputs User Sensor Type Configuration on Dashboard External Power + Battery Backup Deep Sampling Threshold Setting for Each Output
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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