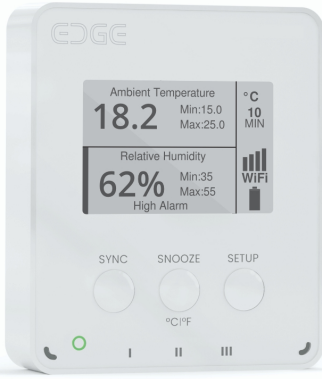


EDGE Essential WiFi

Part #: EDWIES



The EDGE Essential is purpose-built for accurate ambient temperature and humidity monitoring in preservation-sensitive environments such as museums, archives, storage spaces, offices, server rooms, and residential or commercial buildings.

With optional door and flood sensors, mold risk notifications, and seamless Wi-Fi connectivity, it enables early detection of unfavorable conditions and supports long-term environmental tracking for mold prevention, utility consumption audits, and usage analysis across agricultural, residential, and commercial settings. Tool-free installation, adjustable sampling intervals, and a powerful cloud platform make EDGE Essential a dependable solution for everyday monitoring without the complexity of external probes or certification requirements.

Ports Function			Connectivity			Power Supply	
PORT I	PORT II	PORT III	BLE	2.4GHz Wi-Fi	Cellular	Internal	External
Not in Use	Dry Contact / Flood	Not in Use	✓	✓	-	4 x AA batteries	5V DC Standard USB-Charger

Built-in Sensors						
Sensor	Configuration	Function	Min Range	Max Range	Accuracy	Resolution
Ambient Temperature	Built-in	Record & Alarm	-20 °C (-4 °F)	+70 °C (160 °F)	±0.2 °C (±0.36 °F)	0.1
Relative Humidity	Built-in	Record & Alarm	0%	99% non-condensing	±1.8% RH (at 25 °C, 10-90%)	1%

External Sensors									
Sensor	Connection	Configuration	Function	Min Range	Max Range	Accuracy	Resolution	Length	
Digital Input (Dry Contact / Flood Sensor)	Detachable	Optional	Alarm	-	-	-	-	Up to 100 m (330 ft)	

Dimensions						Net Weight	
Length		Width		Height		Grams	Oz
104 mm	4 3/32"	88 mm	3 15/32"	30 mm	1 3/16"	228	8.0

Operation	
Feature	Specification
Display Update Temperature Range	0 to +50 °C (32 to 122 °F)
Internal Memory Capacity	49,000 Record of each measured Parameter
Recording interval	1 to 30 minutes
Syncing interval (sending data to the cloud)	Real-time Alarms - 10 minutes to 7 days

Network Interface & Certifications		
Interface	Specification	FCC ID
Wi-Fi	IEEE 802.11 b/g/n – 2.4 GHz	2AC7Z-ESPWROOM32

Extra Information

Made in Canada