



Refrigeration downtime or failure can result in costly waste!

Data collection and analytics in today's markets are increasingly important to ensuring efficiency, uptime, and quality. Hubbell's environmental monitors, a family of products within the inSIGHT[®] Data Monitoring line, provides communication of temperature and humidity. These monitors will track end user defined parameters and will notify the owner if the temperature or humidity is over or below where it should be.



Hubbell's environmental monitors can accommodate up to six external temperature probes up to 4 meters in length. Relative humidity sensing, internal to the device, is also available in this Hubbell model. These monitors communicate directly with the Hubbell gateway. Each gateway can accept data from up to 150 monitors.

Enhanced Productivity

by ensuring quality of items being refrigerated are maintained at the perfect temperature

Maintain Social Distancing

by remotely monitoring temperature from any location

Increased Intelligence

by knowing exactly what the temperature and humidity is at all times



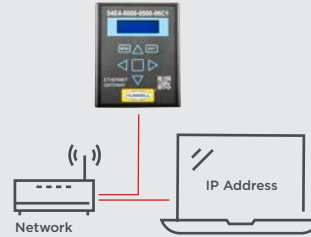


Increase Intelligence

Ethernet gateways gather data from all monitoring devices and transfer it to the user's front end dashboard for visual and historical analysis.

Maintain Social Distancing

Upper and lower thresholds will allow the system to immediately notify the designated contact via the cloud when data is outside set parameters. You no longer have to be at the location of your product to know if there is a potential of it going down.



Enhance Productivity

Hubbell's wireless mesh network allows for easy installation and implementation. This self-adaptive, self-communicative technology ensures all data is effectively transmitted back to the gateway, eliminating the need to run and connect cables throughout the facility.

Ordering Information



Environmental Monitors

Description	Catalog Number
Environmental Monitor	HBLE306H000
1 meter	HBLTPP3001M
2 meters	HBLTPP3002M
3 meters	HBLTPP3003M
4 meters	HBLTPP3004M



Ethernet Gateways

Firmware	Nodes	Radio Zone 1	Radio Zone 2
EMX Gateway	30	HBLGW04000LUS1	HBLGW04000LUS2
	150	HBLGW04000EUS1	HBLGW04000EUS2
Modbus TCP/IP Gateway	30	HBLGW0400MLUS1	HBLGW0400MLUS2
	150	HBLGW0400MEUS1	HBLGW0400MEUS2
SNMP Gateway	30	HBLGW0400SLUS1	HBLGW0400SLUS2
	150	HBLGW0400SEUS1	HBLGW0400SEUS2
EtherNet/IP™ Gateway	30	HBLGW0400ELUS1	HBLGW0400ELUS2
	150	HBLGW0400EEUS1	HBLGW0400EEUS2
MTConnect® Gateway	30	HBLGW040MTLUS1	HBLGW040MTLUS2
	150	HBLGW040MTEUS1	HBLGW040MTEUS2

Technical Specifications

Communications

Operating frequency	860 to 930 MHz and 2.4 GHz. Frequency varies by region
Wireless protocol	Self configuring, load balancing mesh network
Wired network protocol	Ethernet with various protocols available
Firmware updates	Wireless
Typical transmission range	Up to 30 meters between any 2 devices in mesh network
Antenna	Fully enclosed
Monitoring unit to gateway ratio	Up to 150 monitoring units per gateway
Gateways per site	Unlimited
Multi-site support	Yes
Encryption	AES 128-bit
Compatible devices	All Hubbell monitoring units
Local display	LCD for status and configuration. LED for general device status

Environmental & Mechanical

Operating temperature	32 to 104F (0 to 40C)
Operating humidity	10 to 90% non-condensing
Environmental rating	NEMA enclosure type 1, indoor use
Mounting options	Din rail, screw, cable tie
External power supply	100 to 240V AC input, 50/60 Hz (5V DC) output
Plug types	C14, NEMA 5-15
Power consumption	3W
PoE (Power over Ethernet)	Requires an external PoE splitter
Certifications	FCC, IC, CE



To learn more about inSIGHT® Data Monitoring products, please visit our website.

Online Resources

The Hubbell Wiring Device-Kellems website offers fast and convenient information through our online catalog, technical support, videos and more. Visit www.hubbell.com/wiringdevice-kellems/en.

Literature Support

Hubbell offers an extensive literature library for product support. Downloadable PDFs are available online.

