

STX™ - Wireless Sensor Transceiver

SPECIFICATION SHEET



- Dynamic power-controlled Wireless Sensor Unit
- In-system and remote programming
- Hermetically-sealed and tamper-proof
- Synchronous mesh with ad-hoc support
- Full-bidirectional paging and access control
- Field interchangeable
- Full-duplex with error correction
- Remote diagnostics

Technical Specifications

Data Rate	57.6k ~ 192 kbps
Radio Frequency	433 MHz, 900 MHz
Frequency Modulation	MSK, FSK
Receiver Sensitivity	-107 dBm
Dynamic Output Power	-15 to 8 dBm
Access Method	Synchronous Partial Mesh
Channelization	20 Dynamic, Ad-hoc support
Paging Channels	Bi-directional
Power Supply	Lithium Cell
Temperature Accuracy	+ / - 0.5°F (60 ~ 400 °F)
	+ / - 0.2°F (-20 ~ 60 °F)
	+ / - 0.5°F (-250 ~ -20 °F)
Temperature Resolution	0.1°F per step
Relative Humidity Accuracy	+ / - 2 % (10 ~ 200 °F)
	+ / - 3 % (-40 ~ 10 °F)
Relative Humidity Resolution	0.1 % per step
Dimension (L x W x H)	2.5 x 1.75 x 0.75 (inches)