Elexant 9200i Wireless Interface

The nVent RAYCHEM Elexant 9200i is a Wireless Communications Interface that provides an alternative solution to hardwired remote communications. It provides a means of communications between nVent RAYCHEM Supervisory software and nVent Electric Heat Trace (EHT) controllers.

The Elexant 9200i creates opportunities to connect devices where previously thought impossible, can help to reduce overall project costs and effort, and comes in the form of standalone enclosures, or as an integration option for an EHT Control Panel. It is compatible with any nVent controller that includes an appropriate communications interface. In the absence of RAYCHEM Supervisory software, the 9200i can be integrated with a Touch1500.

nVent offers Design, Engineering, and Commissioning Services to provide a complete turn-key Solution. Please contact nVent for details.

FEATURES

- Three frequencies for global coverage: 868 MHz, 900 MHz, and 2.4 GHz
- Multiple configurations based on Enclosure material, Radio frequency, Antenna type, and Antenna connection method
- Multiple network topologies & modes available
- Three Radio operating modes (Master, Slave, Repeater / Slave)
- 128 bit Advanced Encryption Standard (AES)
- Self-Healing network
- Long distance coverage

SPECIFICATIONS

Relative Humidity:	20% to 85%, Noncondensing
Supply Voltage:	100 – 240 V
Max Power Supply Input Wire Size:	#10
Max Ground Terminal Wire Size:	#10
Max Communications I/O Wire Size:	#12
Communication Protocol:	Modbus RTU
RS-485 Cable Type:	One 2-Wire, Shielded Twisted Pair
Communication:	RS-485; Radio
Operating Temperature:	−40 to 116 °F

Table 1/2

Catalog Number	Item Name	Enclosure Material	NEMA Rating	IP Rating	Radio Frequency	Height
10392-105	ELEXANT 9200i-A-PC-900-FW-EXT	Fiber-Reinforced Plastic	4X	IP64	900 MHz	12 in
10392-109	ELEXANT 9200i-A-PC-024-FW-EXT	Fiber-Reinforced Plastic	4X	IP64	2400 MHz	12 in
10392-104	ELEXANT 9200i-A-PC-900-FW	Fiber-Reinforced Plastic	4X	IP64	900 MHz	16.9 in
10392-108	ELEXANT 9200i-A-PC-024-FW	Fiber-Reinforced Plastic	4X	IP64	2400 MHz	16.9 in
10392-106	ELEXANT 9200i-A-PC-900-SW	Stainless Steel, 304	4X	IP66	900 MHz	16.7 in
10392-107	ELEXANT 9200i-A-PC-900-SW-EXT	Stainless Steel, 304	4X	IP66	900 MHz	11.8 in
10392-110	ELEXANT 9200i-A-PC-024-SW	Stainless Steel, 304	4X	IP66	2400 MHz	16.7 in
10392-111	ELEXANT 9200i-A-PC-024-SW-EXT	Stainless Steel, 304	4X	IP66	2400 MHz	11.8 in

Table 2/2

Catalog Number	Item Name	Width	Depth	Weight
10392-105	ELEXANT 9200i-A-PC-900-FW-EXT	8.9 in	6.4 in	7.1 lb
10392-109	ELEXANT 9200i-A-PC-024-FW-EXT	8.9 in	6.4 in	7.1 lb
10392-104	ELEXANT 9200i-A-PC-900-FW	8.9 in	6.4 in	8.6 lb
10392-108	ELEXANT 9200i-A-PC-024-FW	8.9 in	6.4 in	8.6 lb
10392-106	ELEXANT 9200i-A-PC-900-SW	9 in	6.3 in	14.7 lb
10392-107	ELEXANT 9200i-A-PC-900-SW-EXT	9 in	6.3 in	13.2 lb

Catalog Number	Item Name	Width	Depth	Weight
10392-110	ELEXANT 9200i-A-PC-024-SW	9 in	6.3 in	14.7 lb
10392-111	ELEXANT 9200i-A-PC-024-SW-EXT	9 in	6.3 in	13.2 lb

ADDITIONAL PRODUCT DETAILS

A minimum of two radio transceivers are required to establish a network.

Externally mountable Antenna packages are available and sold separately as accessories.

WARNING

nVent products shall be installed and used only as indicated in nVent's product instruction sheets and training materials. Instruction sheets are available at www.nvent.com and from your nVent customer service representative. Improper installation, misuse, misapplication or other failure to completely follow nVent's instructions and warnings may cause product malfunction, property damage, serious bodily injury and death and/or void your warranty.

North America
Tel +1.800.545.6258
Fax +1.800.527.5703
thermal.info@nvent.com

Europe, Middle East, Africa
Tel +32.16.213.511
Fax +32.16.213.604
thermal.info@nvent.com

Asia Pacific
Tel +86.21.2412.1688
Fax +86.21.5426.3167
cn.thermal.info@nvent.com

Latin America
Tel +1.713.868.4800
Fax +1.713.868.2333
thermal.info@nvent.com