

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

Max Communications I/O Wire Size:	4 mm ²
Max Power Supply Input Wire Size:	6 mm ²
Max Ground Terminal Wire Size:	6 mm ²
Relative Humidity:	20% to 85%, Noncondensing
Supply Voltage:	100 – 240 V
Communication Protocol:	Modbus RTU
RS-485 Cable Type:	One 2-Wire, Shielded Twisted Pair
Communication:	RS-485; Radio
Operating Temperature:	–40 to 52 °C

Table 1/2

Catalog Number	Item Name	Enclosure Material	NEMA Rating	IP Rating	Radio Frequency	Height
10392-101	ELEXANT 9200i-E-PC-868-FW-EXT	Fiber-Reinforced Plastic	4X	IP64	868 MHz	305 mm
10392-113	ELEXANT 9200i-E-PC-024-FW-EXT	Fiber-Reinforced Plastic	4X	IP64	2400 MHz	305 mm
10392-100	ELEXANT 9200i-E-PC-868-FW	Fiber-Reinforced Plastic	4X	IP64	868 MHz	430 mm
10392-112	ELEXANT 9200i-E-PC-024-FW	Fiber-Reinforced Plastic	4X	IP64	2400 MHz	430 mm
10392-102	ELEXANT 9200i-E-PC-868-SW	Stainless Steel, 304	4X	IP66	868 MHz	424 mm
10392-103	ELEXANT 9200i-E-PC-868-SW-EXT	Stainless Steel, 304	4X	IP66	868 MHz	300 mm
10392-114	ELEXANT 9200i-E-PC-024-SW	Stainless Steel, 304	4X	IP66	2400 MHz	424 mm
10392-115	ELEXANT 9200i-E-PC-024-SW-EXT	Stainless Steel, 304	4X	IP66	2400 MHz	300 mm

Table 2/2

Catalog Number	Item Name	Width	Depth	Weight
10392-101	ELEXANT 9200i-E-PC-868-FW-EXT	226 mm	163 mm	3.2 kg
10392-113	ELEXANT 9200i-E-PC-024-FW-EXT	226 mm	163 mm	3.2 kg
10392-100	ELEXANT 9200i-E-PC-868-FW	226 mm	163 mm	3.9 kg
10392-112	ELEXANT 9200i-E-PC-024-FW	226 mm	163 mm	3.9 kg
10392-102	ELEXANT 9200i-E-PC-868-SW	229 mm	160 mm	6.7 kg
10392-103	ELEXANT 9200i-E-PC-868-SW-EXT	229 mm	160 mm	6 kg

Catalog Number	Item Name	Width	Depth	Weight
10392-114	ELEXANT 9200i-E-PC-024-SW	229 mm	160 mm	6.7 kg
10392-115	ELEXANT 9200i-E-PC-024-SW-EXT	229 mm	160 mm	6 kg

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.

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