MOD9200LON
LonWorks® Network Transceiver

The MOD9200LON network transceiver uses the 900 MHz spread spectrum technology and is compatible with any Building Automation System or front end using LonWorks® protocol and FTT-10 interface. The MOD9200LON works with any ACI wireless sensor, input concentrator, or output module. The MOD9200LON can be programmed with inputs for a maximum of 50 physical wireless sensors, or 100 data points (analog & digital), and 100 output points (50 analog and 50 digital) maximum, with the data in the form of SNVTs (Standard Network Variable Types). The sensors are programmed to the transceiver using the configuration software (included), a laptop and a crossover cable. The MOD9200LON can be ordered in six different configurable XIF files depending on sensor types. Transmission distance in a typical building is 200-300 feet horizontal depending on the layout and construction of the building, and one floor above and one floor below the transceiver. Sensor distance and reliability can be increased with the addition of a RR2552B(s) repeater.

ACI offers pre-programming of wireless systems for ease of installation, saving time and cost of field setup. Prior to purchase, it is recommended to contact ACI's Technical Service Department for product selection and system design/layout.

Note: For best results, no more than three (3) repeaters should be installed per wireless system, and no more than two (2) repeaters in series with the MOD9200LON.

Applications: Museums, Churches, Historical Buildings & New Construction

The MOD9200LON is covered by ACI's Two (2) Year Limited Warranty. The warranty can be found in the front of ACI's Sensors & Transmitters catalog, as well as on ACI's web site, workaci.com**.**

PRODUCT SPECIFICATIONS

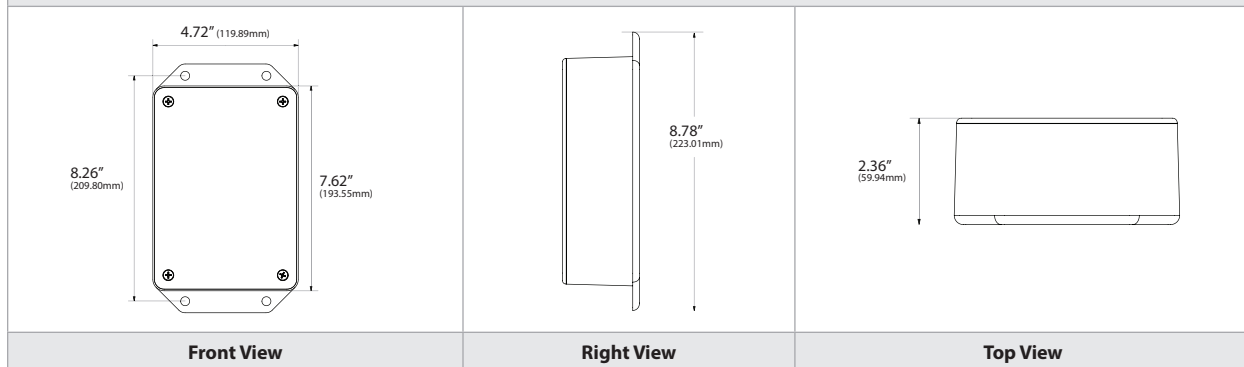|	
Supply Voltage:	24 VAC, 60Hz (Full wave rectified)
Supply Current:	0.5A Nominal
Connections:	Screw Terminal Blocks
Wire Size:	16 AWG (1.31 mm²) to 26 AWG (0.129 mm²)
Terminal Block Torque Rating:	0.37 ft-lb (0.5 Nm) Nominal
Operating Temperature Range:	32 to 122ºF (0 to 50ºC)
Operating Humidity Range:	30 to 50% RH, Noncondensing
Storage Temperature Range:	-4 to 176ºF (-20 to 80ºC)
Data Protocol:	IEEE 802.15.4-2003/2006
RF Characteristics:	900 MHz, Operating Frequency 10 channels between 902 – 928 MHz **Transmitter Power:** 11 dBm | **Receiver Sensitivity:** -11 dBm
Transmission Distance:	200 – 300 ft horizontally depending on building type and constructions, and typically one floor above and below the transceiver vertically
LonWorks® Protocols 1:	**Temperature:** SNVT_temp_p | Override Push Button: SNVT_occupancy **Setpoint Adjustment:** SNVT_temp_p | Humidity: SNVT_lev_percent **Sensor Status/Alarms:** SNVT_count PPM: SNVT_ppm The MOD9200LON Transceiver is pre-defined with fixed configurations
Physical Network Connection:	FTT-10 (Free Topology Twisted Pair)
Communication Wire:	Eschelon approved 22 AWG wire
Termination:	Not provided by ACI
Configuration Software:	Included; Data registers need to be configured prior to use
System Requirements:	• PC (Notebook or Laptop) with Windows 98, XP, Vista, Windows 7, or Windows 10, Ethernet port, and 10 GB of hard drive memory, direct connection from PC to MOD9200LON: RJ45 Crossover Cable (not provided by ACI) • IP Address of PC must have static address of 192.168.0.2 or above
Enclosure Material | Flammability Rating:	ABS Plastic | UL94-5VA
Product Dimensions:	(L) 8.78" (223.01 mm) x (W) 4.72" (119.89 mm) x (H) 2.36" (59.94 mm)
Product Weight:	2.20 lbs (1.00 kg)

Note[1]: Please refer to ordering grid or download user manual for details of different transceiver models

DIMENSIONAL DRAWING

Front View	Right View	Top View
4.72" (119.89mm) 8.26" (209.80mm) 7.62" (193.55mm)	8.78" (223.01mm)	2.36" (59.94mm)

STANDARD ORDERING

Model # Example: MOD9200LON-A -OR- 131048

Model #	Item #	Description
MOD9200LON-A	131048	Up to 30 Wireless Temperature, 6 RH Sensors & 50 Wireless Digital & Analog Outputs
MOD9200LON-B	131049	Up to 50 Wireless Temperature Sensors (50 Wall/Duct/Immersion) & 50 Wireless Digital & Analog Outputs
MOD9200LON-C	131050	Up to 50 Wireless Sensors (50 Temperature & RH Points) & 50 Wireless & Analog Outputs
MOD9200LON-D	131051	Up to 50 Wireless Devices (40 0-10 VDC Point Types & Discrete Inputs, 10 Temperature & RH Points) & 50 Wireless Digital & Analog Outputs
MOD9200LON-E	131052	Up to 50 Wireless Sensors/Transmitters (26 Setpoint Adjustments, 26 Pushbutton Override Switches, 12 CO2 PPM Inputs, 6 RH Points & 4 Digital Status Inputs) & 50 Wireless Digital & Analog Outputs
MOD9200LON-F	----	Up to 50 Wireless Sensors (40 Temperature Points, 20 RH Points and 40 Discrete Inputs) & 50 Wireless Digital & Analog Outputs

ADDITIONAL ORDERING

Model # Example: RR2552BE -OR- 130694

Model #	Item #	Description
RR2552B	130662	Two Way Repeater, Standard Enclosure
RR2552BE	130694	Two Way Repeater, NEMA 4X Enclosure
WIRELESS SETUP FEE	132618	Pre-programming Wireless System (One fee per each Transceiver ordered)

RoHS COMPLIANT