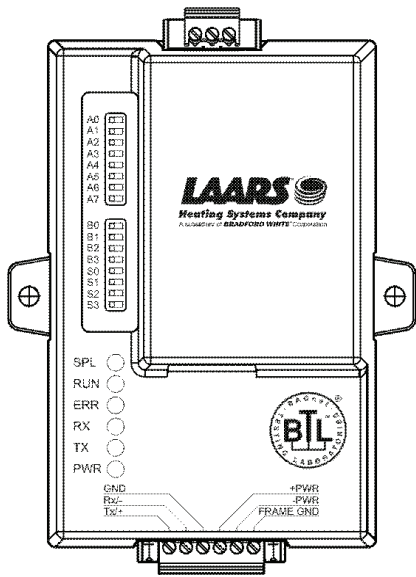


LAARS Gateway

Gateway for LAARS Integrated Boiler Control System



Date:

Project #:

Engineer:

Prepared By:

Bid Date:

MASCOT & NEOTHERM	MAGNATHERM
BACnet MS/TP	CA010300 CA010302
BACnet IP	CA010300 CA010302
Metasys N2	CA010300 CA010302
Modbus TCP	CA010300 CA010302
LonWorks	CA010301 CA010303

Submittal Data 
Heating Systems Company

Project Name:

Location:

Contractor:

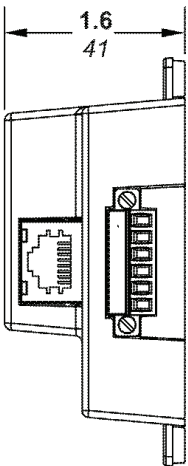
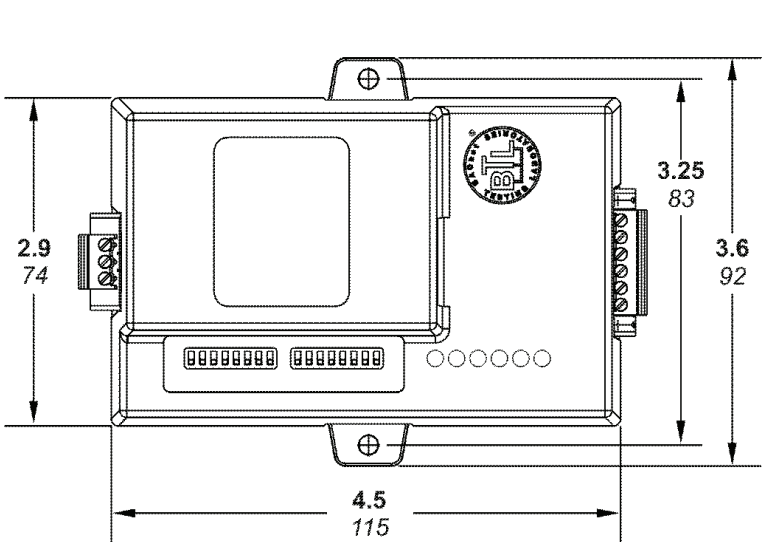
Standard Equipment

- LER Model Protocol: LonWorks
- RER Model protocols: BACnet MS/TP, BACnet IP, Metasys N2 and Modbus TCP
- Laars Gateway RER is based on an ARM9 processor for fast performance and includes two serial ports, one RS-485 and one Ethernet port. BACnet BTL marked (B-ASC)
- Laars Gateway LER includes a LonWorks port plus Ethernet and RS-485 ports. LonMark certified
- Able to interface with up to eight controls on Laars Mascot, NeoTherm, and MagnaTherm product lines

Features

- BTL Marked and LonMark Certified
- Field programmable
- Interfaces with RS-485, Ethernet or LonWorks
- DIP switches to select baud rate on RS-485 protocol (9600, 19200, 38400, 57600 or 76800)
- Serial or Ethernet versions support a total of 2400 Host and Field Protocol memory points
- LonWorks versions support a total of 1500 Host and Field Protocol memory points

Dimensions



Dimensions shown in inches, cm.

Specifications

Voltage Input	Multi-mode power adapter: 9-30VDC or 12 - 24VAC
Power Consumption @ 12V	RER = 150mA
	LER = 279mA
Operating Temperature	-40°F to 167°F (-40°C to 75 °C)
Operating Humidity	5-90% RH, non-condensing
Connections	RS-485 Port for BACnet MP/TS or Metasys N2
	Ethernet Port for BACnet IP
	LonWorks Port
Weight	0.4 lbs (0.2 kg)
Dimensions	4.5 L x 3.2 W x 1.6 H inches (11.5 x 8.2 x 4.0 cm)
Surge Suppression	EN61000-4-2 ESD EN61000-4-3 EMC EN61000-4-4 EFT
Approvals	BACnet Testing Labs (BTL) B-ASC - RER Series
	LonMark 3.4 Certified - LER Series
	CE (EN55022;EN55024; EN60950)
	TUV approved to UL 916 standard and CSA C22-2
	FCC Class A Part 15
	CSA 205 Approved
	RoHS Compliant
	DNP3 Conformance Tested
	OPC Self Certified to Compliance
BACnet Support	BTL Listed
	BACnet COV's
	Support up to 2,000 Host & Field points
	DIP switches are for setting MAC Address, Node-ID, Baud Rate on the RS-485 Field protocol
LonMark Certification	SPID: 80:00:95:46:00:84:04:07
	Profiles: 0000 - Node object (1), 0001
	0001 - Open Loop Sensor Object (5)
Warranty	0003 - Open Loop Actuator Object (5)
	Two years from date of purchase, return to factory

Laars Heating Systems Company reserves the right to change specifications, components, features, or to discontinue products without notice.
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