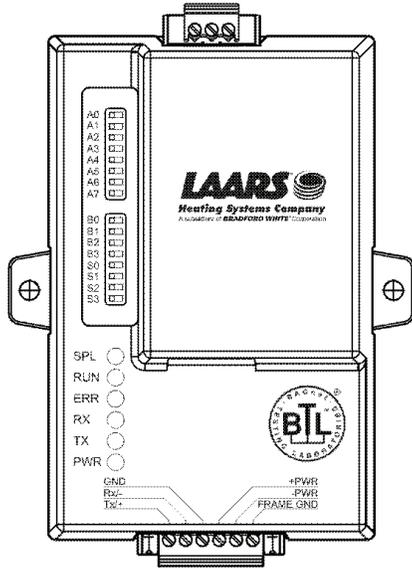


LAARS Gateway

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

Project Name:

Location:

Contractor:

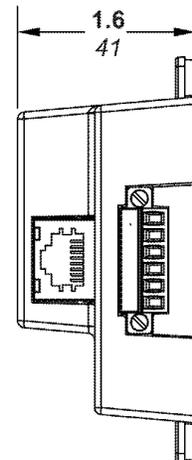
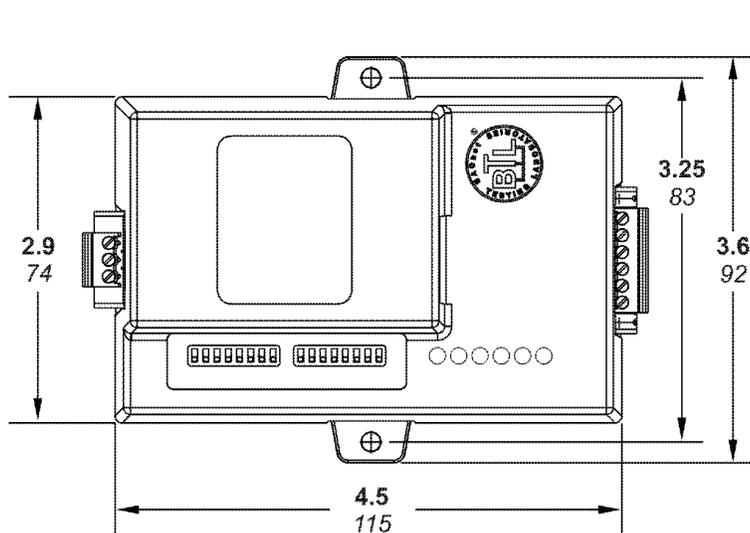
Standard Equipment

- 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) 0003 - Open Loop Actuator Object (5)
Warranty	Two years from date of purchase, return to factory

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