

Job Name/Location:

Tag #:

Date:

For:	File	Resubmit
	Approval	Other_____

PO No.:

Architect: GC:

Engr: Mech:

Rep: (Company) (Project Manager)

PBASE10
MultiSITE™ Edge 10 Controller



Electrical:

Power Supply	Powered from 24VAC/DC source
Power Consumption	24 VA

40 VA transformer recommended.

Environmental Specifications:

Operating Temperature	-4 to 140°F
Storage Temperature	40 to 185°F
Humidity	5 to 95% (non-condensing)
Shipping and Vibration	ASTM D4169, Assurance Level II
MTBF	10+ years

Unit Data:

Base Hardware	Niagara Edge 10
Dimensions	7.05" W x 4.33" H x 2.40" D
512 MB DDR SDRAM	
2GB total eMMC flash storage with user space set at 1GB	
One (1) RS485 serial port	
Two (2) 10/100 MB Ethernet ports	
Five (5) Universal inputs: Type 3 (10K) thermistors, 0-100K ohm, 0-10VDC, 0-20mA with external resistor, Dry Contact	
Two (2) Analog outputs: 0-10VDC, 4mA max output current	
Three (3) Digital outputs: Triac, 24VAC @.5 amp	
Real time clock	
Secure boot	

Standard Features:

- Requires Niagara 4.7 and later
- NXP iMX6 SoloX2: 800 MHz ARM Cortex-A9/M4
- Licensing supports three devices and 50 total points
- Two (2) IO-R-34 or four (4) IO-R-16 connected over a shielded 485 bus

Optional Accessories (sold separately):

MultiSITE Supervisor:

- ZWSUPN00A - Supervisor 100 Niagara networks + Initial SMA 1yr
- ZWSUPN03A - Supervisor 3 Niagara networks + Initial SMA 1yr
- ZWSUPN10A - Supervisor 10 Niagara networks + Initial SMA 1yr
- ZHWREMIO16 - Remote I/O Module 16 Point
- ZHWREMIO34 - Remote I/O Module 34 Point

Standard Network Protocols:

BACnet®	SNMP
Modbus®	
Fox®	

Note: Please reference Startup Guide for complete list of supported protocols.

Connectivity:

When data from external sources — i.e. thermostats, variable speed drives, or smart sensors — is required to drive an application, the MS-E10 allows for connections to those types of external sources using BACnet/IP, Modbus, and SNMP over an IP network and/or BACnet and Modbus over a 485 network.

Network:

MS-E10 controllers can be daisy chained to continue network connectivity and eliminate the need for separate wiring back to a switch

Connect MS-E10 controllers to your main building or IT network and manage them directly with a Supervisor alongside of a JACE®

Use the secondary Ethernet port of the MS-NC8000/VM3 to create a private network of Niagara Edge 10 controllers

Notes:

1. Available functions / features may differ based on the connected system.
2. Must follow installation instructions in the applicable LG installation manual.

For a complete list of available accessories, contact your LG representative.
For continual product development, LG reserves the right to change specifications without notice.
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PBASE10

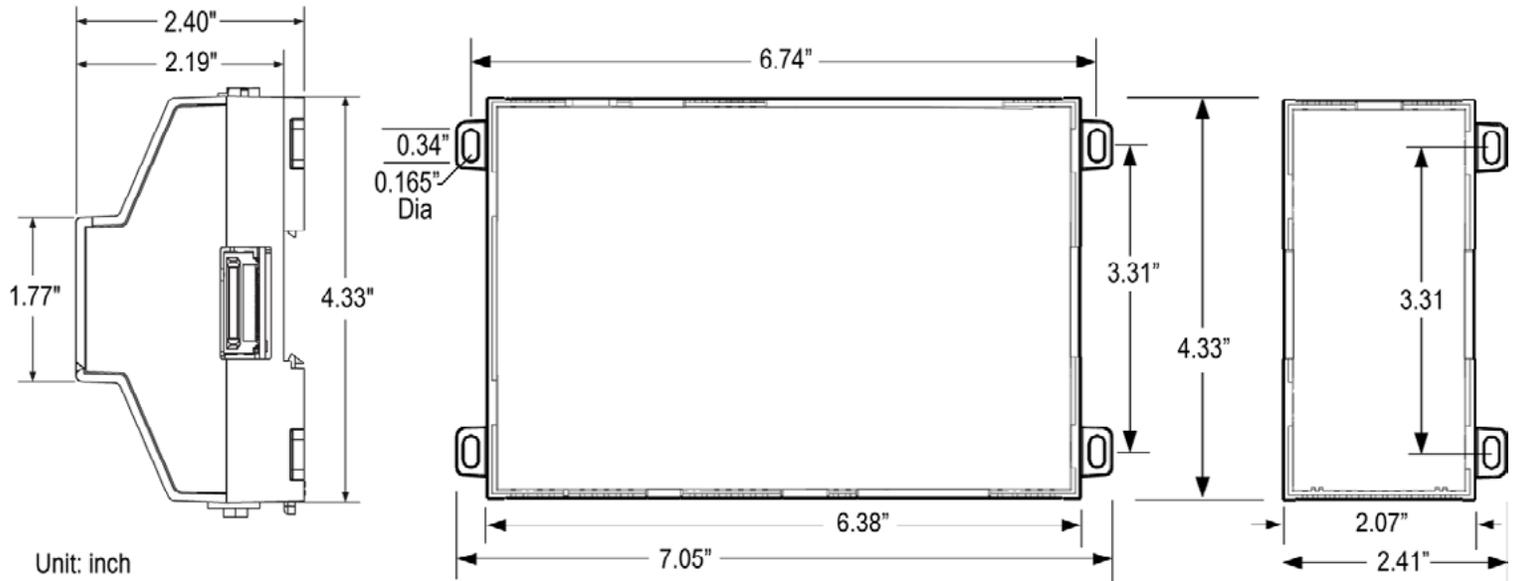
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Compatible with (DIN43880) enclosures

Suitable for mounting to a panel or to an EN50022 standard 35mm rail