EP/2

Executive Processor Network Communications Controller

EP/2 is the master communications interface module for the LOGIC ONE® energy infosystem. It coordinates communications between Logic One control modules and a variety of user interface devices.

Brains and brawn – together in one controller

Multiple EP/2 units can be networked together to share data from system modules, devices and sensors. A built-in disk drive increases data-storage capability and reliability. Along with extensive auto-function capabilities, the EP/2 can also be operated via interfaces such as a Local Access Keypad/Display and remote operator workstation.

Bottom Line: With Novar You Know It's Versatile

LOGIC ONE

NOVAR® CONTROLS

With Novar, you know.

IOM/2

Hawki

ETC

ETM

HPC+

UVC

VAV

Specifications

EP/2

EP/2 is equipped with inputs for measurement of a wide variety of vital parameters. These include temperature, lighting levels, electricity use/demand/phase loss and more. The EP/2 is also fully compatible with most major Local Area Network (LAN) architectures.

Physical Characteristics

Height:	22.25 inches.
Width:	13.3 inches.
Depth:	2.5 inches.
Weight:	12 lbs. (All-aluminum enclosure).
Mounting:	Four slotted mounting holes on base with enclosed terminal strips for I/O and power connections and knockouts for 1/2-inch and 3/4-inch conduit fittings.

Operating Environment

Temperature:	32˚ to 140˚ F (0˚ to 60˚ C).
Humidity:	0 to 95% relative, noncondensing.

Electrical

Voltage:	24VAC (Class 2).
Consumption:	30VA.
Analog Inputs:	4 to 20mA.
Digital Inputs:	Contact closure only.
Output (Fault):	24VAC or VDC, 1 ampere (pilot duty).

Special Circuits/Diagnostics

Low Voltage Detect:	Senses proper operating voltage.
Temperature Sensor Monitor:	Verifies outdoor temperature sensor operation.
Memory Test:	Verifies memory size and functionality.
Watch Dog:	Monitors and ensures EP/2 timing and operation.
Surge Suppression:	All inputs/outputs protected against lightning-induced surge or voltage transients.
Real-Time Clock:	Quartz crystal provides day, month, date, years, hours, minutes and seconds; automatic synchronization.
Built-In Rechargeable Battery Backup:	One hour UPS. One year full memory and clock.

Specifications subject to change without prior notification.

Listed Device, U.S., UL File #E90949(N)
Listed Device, Certified for Canada, UL File #E90949(N)

Network Communications

Method:	RS-485.
Cable (network):	2-wire, shielded cable. Belden 8761 or equivalent.
Capacity:	Up to 256 EP/2's can be networked together in one system. The capacity of one EP/2 is 128 inputs, 128 outputs, and 128 modules. Therefore, the capacity of one system is 32,768 inputs, 32,768 outputs, and 32,768 modules.

Local Area Network (LAN) Communications

Method:	Ethernet® (IEEE 802.3).

Remote Communications

Method:	Internal modem, FCC approved.
Automatic Dial:	Tone or rotary pulse.
Connection:	RJ11C interface jack.

RS-232 Communications

For use with a local personal computer or printer.

Memory

Internal Control Microcomputer:	1M bytes RAM. 256K bytes ROM.
Internal Network Microcomputer:	512K bytes RAM. 128K bytes ROM.

Local Controls

Keypad and Display:	Keypad and 64 x 240 pixel graphic LCD display for monitoring system operation and modifying setpoints, schedules, etc.
Built-In Disk Drive:	3.5-inch removable media floppy. 1.44M bytes.

Programming

ESS32, SitePro™, Alarm Server, and/or PC/ESS, English language software with easy-to-use interfaces, graphics, and custom programming.

Dedicated Inputs/Output (Global)

Inputs:	Outdoor Light Sensor, Outdoor Temperature Sensor, Demand Pulse, Phase Loss Sensor, Emergency Status.
Output:	System Fault Output.

NOVAR® CONTROLS

3333 Copley Road, Copley, OH 44321
330-670-1010

GENUINE NOVAR Quality With Novar, you know