

Lingo[®] XE Executive Module



Multi-site Retail

Features

Integrated or remote color touchscreen

Embedded Web Server
(for system access via a Web browser)

USB Client connectivity

Expanded data logs storage system
(128 logs, 16 points each, and 80 days
of storage)

Advanced metering capabilities
(MODBUS[®] protocol; Meters: PM800
Series; Veris H8238, H8346, and H8437;
and C-H IQ200 [INCOM[™]])

Ethernet[®] 10/100Base-T connectivity
(includes DHCP capabilities)

Internal oscilloscope for analog
signal display

56K modem

Lingo[®] XE offers the flexibility needed to control and monitor large buildings at multiple sites. Its processing power, multiple network capabilities, integral Web server, expanded log storage system, and optional touchscreen make it easier than ever for facility managers to control temperatures, indoor and outdoor lighting, electrical demand and consumption, and more. Lingo XE, a component of Novar's Logic One[®] automated building control system, is easy to install and commission. It can be incorporated into new building plans or turnkey installations for existing locations.

Physical Characteristics

Height: 19.25 inches
Width: 13.25 inches
Depth: 2.5 inches
Weight: 6 lb (all-aluminum enclosure)
Mounting: Four slotted mounting holes on base with enclosed removable terminal strip blocks for input/output and power connections and knockouts for 1/2-inch and 3/4-inch conduit fittings.

Operating Environment

Lingo XE with Touchscreen

Operating Temperature: 32° to 122°F (0° to 50°C); 0–80% RH*
Storage: –4° to 158°F (–20° to 70°C); 0–90% RH*

Lingo XE without Touchscreen

Operating Temperature: 32° to 140°F (0° to 60°C); 0–80% RH*
Storage: –40° to 158°F (–40° to 70°C); 0–90% RH*

* noncondensing

Electrical

Voltage: 24 VAC (Class 2)
Consumption: 40 VA
Analog Inputs: 4 to 20 mA
Digital Inputs: 5 volts sourced, 20mA, contact closure only
Output (Fault): 24 VAC or VDC, 1 ampere, Class 2

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 Lingo timing and operation

Surge Suppression: All inputs/outputs protected against the continuous application of 24-VAC and lightning-induced surges

Real-Time Clock: Quartz crystal provides day, month, date, years, hours, minutes, and seconds; automatic synchronization

Built-in Battery Backup: Five years full memory and clock.

Novar Network Communications

Method: RS-485
Cable (network): Two-wire, shielded cable, Belden 8761 or equivalent
Ethernet: Up to 32 Lingos
Module: Up to 128 modules per Lingo

Local Area Network (LAN) Communications

Method: Ethernet 10/100Base-T RJ45 interface jack

Remote Communications

Network: Ethernet 10/100Base-T LAN/WAN, RJ45 interface jack

Phone line: Industry-standard modem, RJ11 interface jack

Other Communications

USB for use with a local personal computer
MODBUS Advanced Metering: PM 800 Series
Veris H8238
Veris H8436
Veris H8437
C-H IQ200 (INCOM™)

Local Control

Display: Integral touchscreen display, 1/4 VGA (320 × 240) resolution

Dedicated Inputs/Outputs (Global)

Inputs: Outdoor light sensor, outdoor temperature sensor, humidity, demand pulse, phase loss sensor, emergency status

Output: System fault output

Regulatory Compliance

Listed device: CUL/UL E90949
FCC: Part 15, Class A
Industry Canada: ICES-003, Class A
International: CE, C-Tick

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