

Metasys® Field Controllers LONWORKS® Compatible

DX-9200

Digital Controller

The LONWORKS® compatible digital controller, DX-9200 Series, is the ideal digital control solution for air handling unit or distributed lighting and related electrical equipment control applications. The controller has both the hardware and software flexibility to adapt to the variety of control requirements in its targeted applications and can extend its input and output point capability by communicating with input/output (I/O) modules on an extension bus.

The controller provides monitoring and control of all connected points at an integral LED display and keyboard or from a separate DT-9100 display unit. The DT-9100 display unit, with a text and graphic LCD screen and keypad, provides a standard and customized presentation of data according to the application and customer requirements. Both the DX-9200 controller and the DT-9100 display unit can be mounted within an electrical enclosure or in a cabinet door, and the DT-9100 display unit can also be mounted directly onto the controller within a panel, on a wall or can be used as a portable device. Additionally, the controller can share data with other LONMARK® compatible devices on the same LONWORKS network.

When the LONWORKS network is integrated into a Metasys® system, point and control information is available throughout the network and at all Metasys operator workstations.



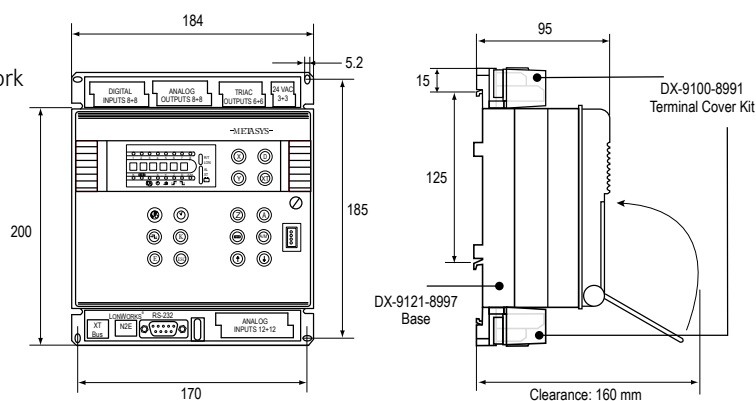
Model with LED display and Keyboard in Cabinet Door Mounting Frame



Black Box Model on Panel Mounting Base

Features

- LONWORKS® compatible network variable interface FTT
- Integration into Metasys system network via NAE
- Dynamic data access capabilities with Metasys system network
- Full set of control algorithms in software modules
- Graphic configuration tool software
- Standalone control of HVAC and other equipment
- Real-time clock and time programs
- Extension bus for additional I/O points
- Extension modules for a variety of analog and digital I/O combinations
- Model with integral display and control panel
- Text and graphic display unit (DT-9100)
- Extension modules with manual override switches



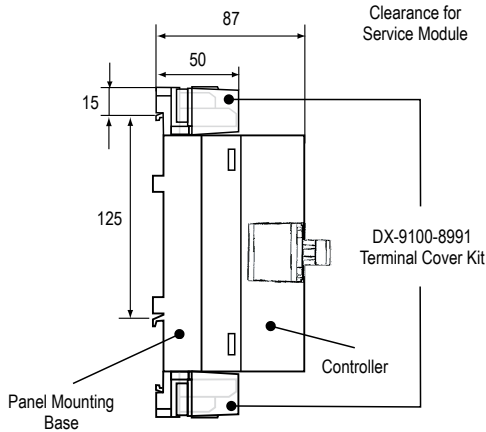
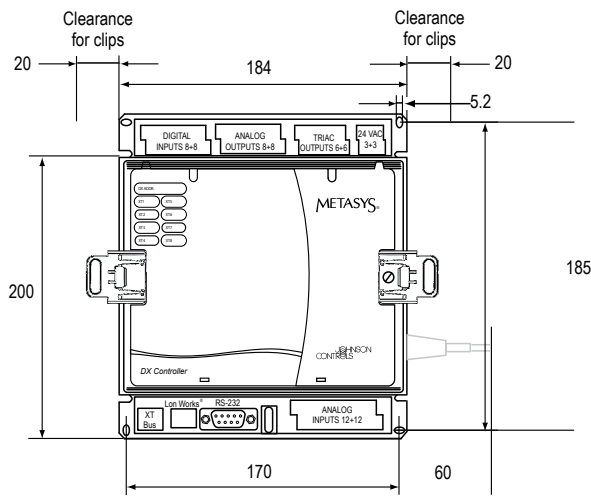
Dimensions in mm

Ordering Codes	Analog Inputs	Binary Inputs	Analog Outputs	Binary Outputs	Panel with LED Display	Power Supply	Application
DX-9200-8004-A	8	8	8	6	NO (Black Box)	24 VAC $\pm 10\%$, 50/60Hz	Room and light control
DX-9200-8004-D							Air handling control
DX-9200-8454-A					YES		Room and light control
DX-9200-8454-D							Air handling control
	Jumper Selectable ■ RTD(1K Ω NI) ■ 0-10 VDC Transmitter ■ 0-20 mA Transmitter (4 max.)	Dry Contacts	Jumper Selectable ■ 0-10 VDC ■ 0-20 mA (4)	24 VAC Triacs at 0.5 amps			

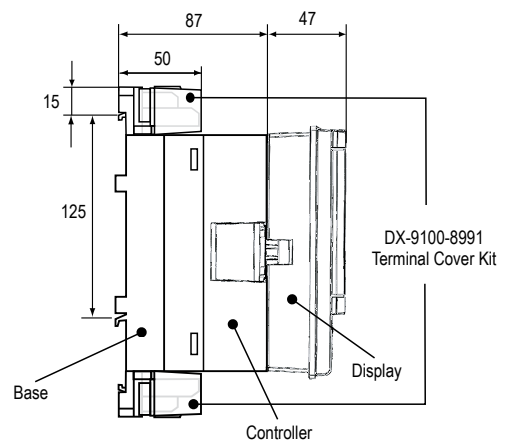
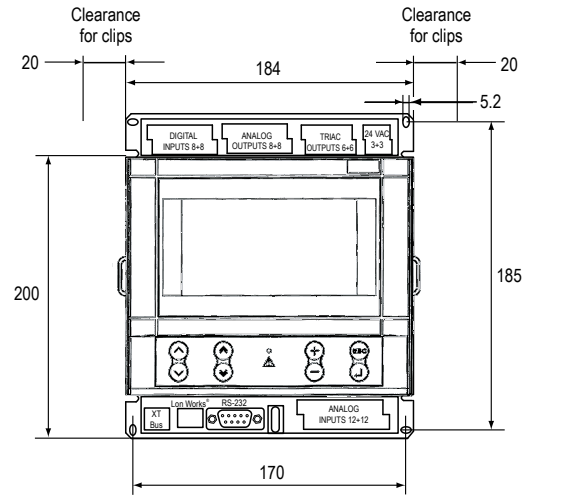
Note

Refer to DX-9200 Technical Bulletin for details of the LONWORKS network interface specifications. LONWORKS® is a Registered Trade Mark of Echelon Corp.

DX-9200 Digital Controller

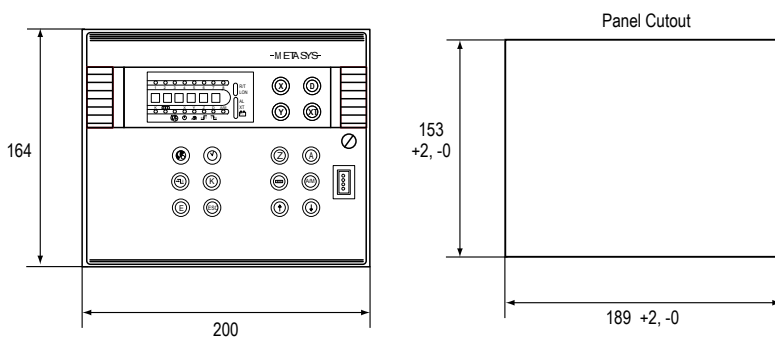


Black Box Controller DX-9200-8004-x
Dimensions in mm

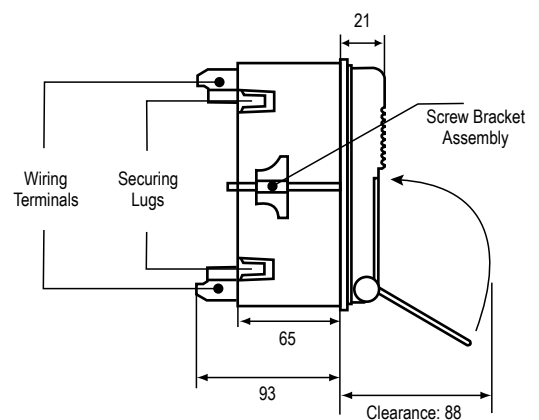


**Black Box Controller DX-9200-8004-x
with LCD Display DT-9100-8204**
Dimensions in mm

Installation Details of the DX-9200-8454-x Controller with Cabinet Door Mounting Frame



Front View



Side View

BUILDING AUTOMATION SYSTEMS

Electronic Control Devices

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DX-9200

Digital Controller

DT-9100 Display Unit

Ordering Codes	Description	
DT-9100-8204	Display unit with panel mounting kit for DX-9200-8004-x	24 VAC $\pm 10\%$, 4VA 50/60Hz or 9 to 12 VDC, 2 VA
DT-9100-8902	Display unit wall mounting kit	
DT-9100-8901	12 VDC power supply for 230 VAC source	

Software and Accessories

Ordering Codes	Description
DX-9200-8997	Panel Mounting Base with Terminal Covers for DX-9200-8454-x and DX-9200-8004-x
DX-9200-8996	Cabinet Door Mounting Frame for DX-9200-8454-x
DC-9100-8905	Access protection key for DX-9200-8454-x
DXDC-BAT-KIT	Replacement battery kit
BAT-CR2032	Coin battery replacement

Note

For DX Configuration Tools Software contact your local Johnson Controls office.