

FX40 SUPERVISORY CONTROLLER

FACILITY
EXPLORER

BY JOHNSON CONTROLS

The Facility Explorer FX40 Supervisory Controller offers a powerful and flexible supervisory control solution for a wide variety of system control requirements. The FX40 is designed to supervise a network of field controllers to form a complete building automation system, and to allow intranet/internet access to the system via a standard web browser.

Supported Inputs/Outputs

Up to I/O inputs and outputs can be directly connected to the FX40, including:

Four Digital Outputs

- All form C, SPDT 24 VAC/DC @2A relays
- LED indication

Six universal inputs, which can be any of the following types:

- 10k NTC
- 0-10V
- 4-20 mA
- Dry contact binary input

Communication Interfaces

The FX40 features multiple communication interfaces with support for the most popular HVAC field device protocols. Included with the FX40 are the following communication ports:

- 1 Ethernet port (10/100 Mb) supporting
 - TCP/IP
 - HTTP
 - BACnet® IP/Ethernet
- 1 RS-485 port with N2 driver
- 1 LonWorks® FTT-10A port
- 1 RS-232 port or optional internal modem (56k baud autodial/autoanswer)



Supported Device Types

The FX40 supports up to 100 devices on its communication trunks, including any combination of the following supported device types:

- N2
 - FX field devices fitted with N2 communication cards
 - N2 ASCs (VMA, DX-9100, UNT, VAV, AHU)
 - N2 compatible devices (VND)
- LonWorks
 - FX field devices fitted with LonWorks communication cards
 - Third party LonMark® compliant devices
- BACnet IP/Ethernet
 - N30
 - Third party BACnet devices compatible with FX40's PICs statement

Full Suite of Building Automation and Control Features

The FX40 features a comprehensive suite of building automation and control features including the following:

- Event/occupancy scheduling
- Trending
- Alarming
- Totalization
- Energy management
- Network wide data sharing
- User access with password protection
- Rich, graphical representation of system information
- Time synchronization
- Custom control

FX Workbench

The FX40 can be easily engineered using FX Workbench. FX Workbench can operate as a standalone application on a PC, or it can be served up by the FX40 and be accessed using a standard Web browser. FX Workbench

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features online automatic device discovery for LonWorks and BACnet devices, and an assisted import feature for N2 devices.

The FX Workbench includes several labor saving features to assist the engineering of the system, when using standard Facility Explorer applications, including:

- Automatic linking of the field devices' occupancy point to the FX40's scheduler
- Using check boxes to enable/disable point extensions
- Automatic system graphic creation and linking to point information.

Specifications:

General

- 120 VAC, 50/60 Hz.
- 25 VA

Ambient Operating Conditions

- 32° to 122° F (0° to 50° C)
- 5-95% RH (non condensing)

