

# FX05 FIELD CONTROLLER

The Facility Explorer FX05 Field Controller offers a powerful and flexible solution for a wide variety of HVAC and refrigeration control requirements. The FX05 is designed to provide direct, closed loop control over mechanical HVAC or refrigeration equipment, either as a standalone device or as a part of a larger, networked control system. Its small, compact package makes it easy to fit the FX05 inside of the mechanical equipment or into a control panel.



## Supported Inputs/Outputs

Up to 16 physical inputs and outputs can be directly connected to the FX05, including:

- 4 Analog Inputs: A99 silicon or PT1000 platinum, depending on model. Can also accept 0-10V, 4-20 mA, and ratiometric sensors using analog input converters.
- 5 Digital Inputs: voltage free contacts
- 1 Analog Output: 0-10 V
- 6 Digital Outputs:
  - 6 SPST relays (250 VAC, 5A), or
  - SPST relays (250 VAC, 5A) and 2 triacs (24 VAC, 0.5A)



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## Choice of Programming Environment

The FX05 supports two methods of application programming: configurable and programmable.

- **Configurable:** With the FX Builder Express Tool, you can select from a library of standard applications that were specifically developed for the FX05 and configure them to meet your specific control requirements using graphical plug-ins.
- **Programmable:** With the FX Builder Tool, you can develop a completely unique, custom control application for the FX05. The FX Builder Tool can also be used to open up and customize any of the applications in our standards library.

As a result, the FX05 can be adapted to meet most control requirements.

## Integrated User Interface

The FX05 features a built-in user interface, allowing the FX05's control points to be easily monitored and/or adjusted. The integrated user interface includes three 7-segment LEDs, 3 discrete status LEDs, and 4 push-buttons. The FX05's user interface is completely customizable, providing the ability to format the displayed information and structure its navigation as desired.

## Modular Networking

The FX05's usefulness is expanded by means of its modular networking capability. The FX05 can be used as a standalone controller, or it can be fitted with an optional network communication card, allowing it to be used in an N2-based or LonWorks®-based building automation system. Modular networking makes for a cost effective method to provide either standalone or networked capabilities.

## Application Examples

- Fan Coil Controller
- Pump Lead/Lag Controller
- Hot Water Reset Controller
- Small Chiller Controller

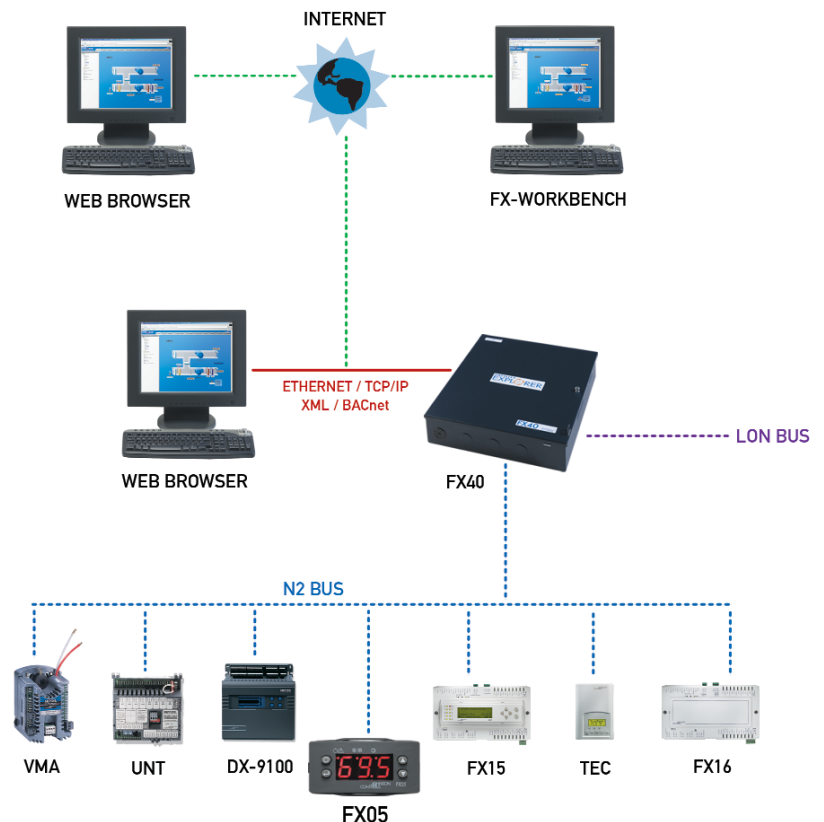
## Specifications:

### General

- 24 VAC +/- 15%
- 6 VA

### Ambient Operating Conditions

- -4° to 122° F (-20° to 50° C)
- 10-90% RH (non condensing)



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