

FX-BTCVT Bluetooth® Commissioning Converter

Installation Instructions

FX-BTCVT

Part No. 24-10108-10, Rev. —

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Refer to the [QuickLIT Web site](#) for the most up-to-date version of this document.

Applications

The FX-BTCVT Bluetooth® Commissioning Converter is a communications converter that provides a temporary connection between the laptop running the Facility Explorer Programmable Controller Programming and Commissioning Tool (FX-PCT) software and an FX-PC Controller.

The Bluetooth Commissioning Converter provides communication from the FX-PCs Field Controller Bus (FC Bus) or the Sensor Actuator Bus (SA Bus) to a Bluetooth enabled laptop computer. The Bluetooth Commissioning Converter converts BACnet® Master-Slave/Token-Passing (MS/TP) protocol communication to 2.4 GHz Bluetooth wireless communication and from Bluetooth wireless communication back to MS/TP communication.

A strap, provided with the Bluetooth Commissioning Converter, allows you to hang the Bluetooth Commissioning Converter from the NS Series Network Sensor or next to the FX-PC controller. The wireless connection allows you to be up to 10 m (33 ft) away while you commission the controller with a laptop computer and the FX-PCT software. The Bluetooth Commissioning Converter is compatible with the following Facility Explorer Programmable Controllers (FX-PCs):

- General Purpose Programmable Controllers (FX-PCGs)
- Programmable Variable Air Volume (VAV) Box Controllers (FX-PCVs)
- Expansion Input/Output Modules (FX-PCXs)
- NS Series Network Sensors

The Bluetooth Commissioning Converter uses Bluetooth wireless technology but has not been licensed by the Bluetooth Special Interest Group (SIG); therefore, only use the Bluetooth Commissioning Converter with the recommended wireless devices as indicated in the [Installing and Setting up Bluetooth Wireless Technology on Your Laptop Computer](#) section of this document.

The Bluetooth Commissioning Converter can be used in conjunction with the FX-ZFR Series Wireless Field Bus System; however, the wireless technologies of the Bluetooth Commissioning Converter and the FX-ZFR Series System do not directly interact.

When the Bluetooth Commissioning Converter is connected on the hard-wired portion of an FC Bus, it can be used to commission and communicate with any FX-PC controller, whether it is hard-wired to the FC Bus or wirelessly enabled through the FX-ZFR Series Wireless Field Bus System.

When the Bluetooth Commissioning Converter is connected directly to a wirelessly enabled FX-PC, it commissions and communicates with only that controller.



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