



Technical Bulletin

Bulletin No: TB-0044-22-015-FS Effective Date: 01-15-2022 Type: Installation

Subject: FlexSCADA™ Ethernet connection in a positive-ground configuration

Scope

This Technical Bulletin outlines ethernet connection requirements for use of the FlexSCADA™ line of products in a positive-ground installation.

Background

While FlexSCADA™ devices are initially designed to operate in a negative-ground environment, they can also be utilized in positive-ground systems. When installed in a positive-ground system, special attention to certain components is required to ensure proper operation.

Negative-ground installation requirements

A primary concern with installation in a negative-ground system is the type of ethernet cable used. The use of shielded ethernet cable in a positive-ground configuration will cause the unit to inadvertently energize, creating adverse circuit paths to the frame of the ethernet port. To avoid these issues, the use of **unshielded** ethernet cable is required when installing FlexSCADA™ products in a positive-ground configuration.

For more information please contact Mission Critical Energy at (716) 276-8465 or visit us at www.flexscadafusion.com .