

IFM-485-ST Interface Module RS-485 64A46954-A01

The IFM-485-ST interface module (64A46954-A01) is preconfigured to be operated with the Southwest Microwave Model 415 and Model 420 Passive Infrared Detectors. The installation software is to be installed on a PC; the interface module is required to convert RS232 to RS485. A standard phone cable 5.0m long is required for connecting from the RJ12 socket on the Model 415 and RJ12 connector on the interface module. Standard 22 or 24 gauge wire is required to connect from the detector bus A and B terminals to the RS485 terminals on the Model 420. The connection to the PC's COM port is with a standard RS232 or USB A to B cable. Power must also be provided to the interface module.

The RS485 standard requires a bus topology. To ensure proper communication, the data must be terminated on both ends. The IFM-485-ST features a built-in termination resistor.



IFM-485-ST offers the following advantages:

- Alarm management/ monitoring signal.
- Remote access to detector.
- Connection of up to 16 detectors to a data bus (maximum bus length including 'stitches': 1000 m). If more than one detector is connected to the same RS485 communication bus, each detector must have a different identification number.
- Very useful for alignment and signal check during setting up and routine maintenance.
- Indicates the amplitudes generated by wanted as well as unwanted targets.
- Helps setting the gain control correctly during walk tests and also shows the magnitude of disturbance signals. The information for installation and signal monitoring is displayed on the screen of the PC.
- Features a built-in termination resistor.
- Requires an interface module to convert RS232 to RS485.

SPECIFICATIONS:

Operating Voltage (External Supply, not included): 12-30 VDC / 24 VAC, Max. 300 mA

Unit Dimensions (Net): 104.8 x 95.3 x 25.4 mm

Unit Dimensions (Boxed incl. Model 415/420 setup software CD)

Shipping Weight: 273.1 x 155.6 x 80.2 mm / 386 g