

**WARNING - HAZARDOUS VOLTAGES MAY BE PRESENT.** Improper installation may result in serious injury to the installer and/or damage to the electrical system or connected communication equipment. Fully read and understand all instructions before beginning the installation. Safety equipment must be used as prescribed by OSHA, whenever working around hazardous voltages.

**Failure of unit and/or consequential equipment damage due to improper installation or misapplication is not covered by the product warranty.**

Confirm operating DC voltage of either <12dc or < 24dc to insure proper operation. Voltage measurements and **installation must be completed by a licensed/qualified electrician** in accordance with the National and/or Canadian Electric Code, State, and Local codes. These requirements supersede this instruction.

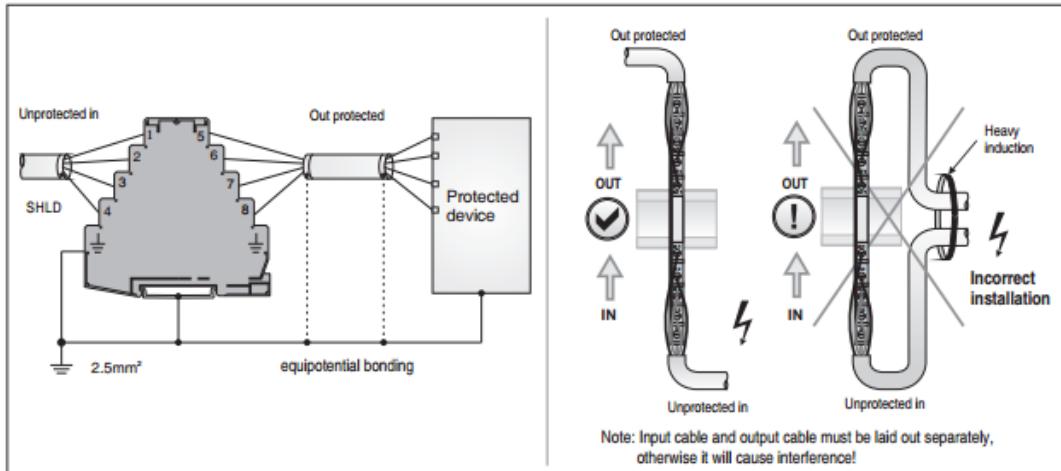
**POWER AND SIGNAL MUST BE REMOVED FROM THE ELECTRICAL SYSTEM BEFORE INSTALLING THE ST-CxxDM4 SERIES DATA UNIT.**

• **Installation instruction**

1. This product is connected in series to the protected device.
2. This product should be installed in the standard 35mm DIN rail.
3. The IN (1/2, 3/4) terminal should be connected to the single lines input, the OUT (5/6, 7/8) terminal should be connected to the protected devices.
4. There is a earthing terminal in each side, and it is recommended to use the one in input side; earth lead must be connected to the earthing system, ideally using 2.5mm<sup>2</sup> cable. The cable should be as short as possible.
5. After above, you should ensure the circuit is functioning.

Regularly inspect the operating status, especially after lightning.  
Once the communication is off, electrician should check/replace the SPD.

**Installation diagram:**



**WARNING:**

1. The device must be installed by electrically skilled person, conforming to national standards and safety regulations.
2. It is recommended that installation should be done under power off condition.

The system may require recalibration due to the additional resistance of the suppressor on the line. If the system does not operate properly, remove the suppressor and contact the local distributor.