

ION7550 / ION7650

Ferrite Installation Instructions

Some PowerLogic™ ION7550 / ION7650 meters come with a ferrite emission suppression kit. Follow the instructions below to help ensure your meter complies with emission standard EN55014-1:2000.

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Additional Information

- ◆ *ION7550 / ION7650 Installation Guide*
- ◆ *ION7550 / ION7650 User Guide*

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Hazard Categories and Special Symbols

Read these instructions carefully and look at the equipment to become familiar with the device before trying to install, operate, service or maintain it. The following special messages may appear throughout this manual or on the equipment to warn of potential hazards or to call attention to information that clarifies or simplifies a procedure.



The addition of either symbol to a “Danger” or “Warning” safety label indicates that an electrical hazard exists which will result in personal injury if the instructions are not followed.



This is the safety alert symbol. It is used to alert you to potential personal injury hazards. Obey all safety messages that follow this symbol to avoid possible injury or death.

DANGER

DANGER indicates an imminently hazardous situation which, if not avoided, **will result in death or serious injury**.

WARNING

WARNING indicates a potentially hazardous situation which, if not avoided, **can result in death or serious injury**.

CAUTION

CAUTION indicates a potentially hazardous situation which, if not avoided, **can result in minor or moderate injury**.

CAUTION

CAUTION used without the safety alert symbol, indicates a potentially hazardous situation which, if not avoided, **can result in property damage**.



NOTE

Provides additional information to clarify or simplify a procedure.

Please Note

Electrical equipment should be installed, operated, serviced and maintained only by qualified personnel. No responsibility is assumed by Schneider Electric for any consequences arising out of the use of this material.

Introduction

Some ION7550 / ION7650 meters require the installation of a ferrite to help ensure compliance with emission standard EN55014-1:2000.

Consult the table below to see if your meter requires a ferrite.

Serial number extension	Power supply option	Ferrite required?
-01	Standard	Yes
-01	Low voltage DC	Yes
-02	Standard	No
-02	Low voltage DC	Yes

Checking your meter's serial number extension

The meter's serial number extension is the last two digits of the serial number, found on the label on the top of the meter case.

PA-0302B222-02

Serial number extension

Checking your meter's power supply option

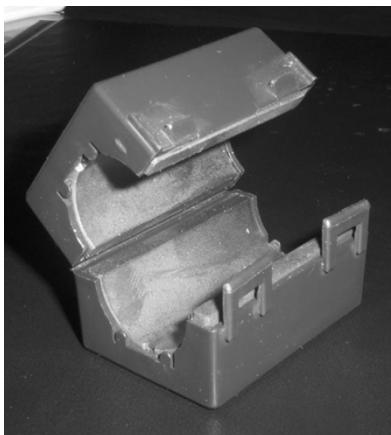
To determine your meter's power supply option, check the order number found on the label on the top of the meter case. See below for an example:

M7650A0C0B6A0A0A

Power Supply
B = Standard power supply
C = Low voltage DC power supply

Ferrite specifications

The ferrite (see below) clamps on to the power supply wires/cable on the back of the meter. It should be installed as close to the meter's connectors as possible, without interfering with the meter's connections.



Dimensions

Length = 40 mm
Height = 30 mm
Width = 30 mm
Inside Diameter = 18 mm



NOTE

This ferrite is also field retrofittable.

Installing the ferrite on your meter

DANGER

HAZARD OF ELECTRIC SHOCK, EXPLOSION, OR ARC FLASH

- Apply appropriate personal protective equipment (PPE) and follow safe electrical work practices.
- Only qualified electrical workers should install or uninstall this equipment. Such work should be performed only after reading this entire set of instructions.
- Turn off all power supplying this device and the equipment in which it is installed before working on it.
- Always use a properly rated voltage sensing device to confirm that all power is off.
- Before you apply power to the meter, ensure that the supply voltage is within the allowed range of the meter's power supply.
- Connect protective ground (earth) before turning on any power supplying this device.
- Replace all devices, doors and covers before turning on power to this equipment.

Failure to follow these instructions will result in death or serious injury.

1. Disconnect all power to the device's power supply cable/wires and the equipment in which it is installed before working on it. Always use a properly rated voltage sensing device to confirm that all power is off.

2. **For meters with Standard power supplies (order option B):** Insert the power supply wires/cable into one groove in the ferrite and loop them around the ferrite once (See "Standard power supply (order option B)" on page 5.).

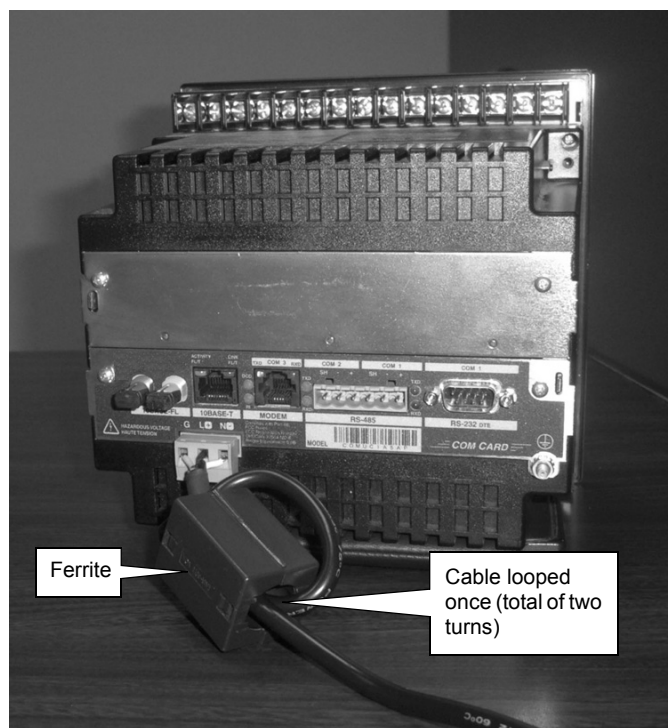
For meters with Low voltage DC power supplies (order option C): Insert the power supply wires/cable into one groove in the ferrite and loop them around the ferrite three times (See "Low voltage DC power supply (order option C)" on page 5.).

Installing the ferrite correctly helps to ensure adequate emissions suppression.

3. Clamp the ferrite closed. Any orientation (vertical or horizontal) of the ferrite is acceptable.
4. See the meter's installation guide for instructions on completing the meter installation.

Installation diagrams

**Standard power supply
(order option B)**



**Low voltage DC power supply
(order option C)**

