

# Installation Guide

2019 v1.0

## SDM1-AMR SIGFOX Enabled Automatic Meter Reader for Modbus Devices

### Introduction

This document provides installation, operating and maintenance instructions for the SDM1-AMR. This device will communicate with the following meters:

- Eastron Electricity Meters

These devices will be pre-loaded with firmware as per your request on order. This cannot be changed once supplied. Currently this product works with our full range of Eastron electricity meters.

### Technical Specification

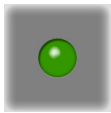
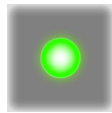
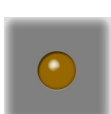
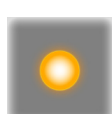
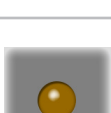





Voltage Input: 90-265V AC  
 Frequency Range: 47-63Hz  
 Insulation: Class I  
 Housing: IP51 Indoor  
 Operating Temperature: -20°C to +80°C  
 \* Excluding contact bounce time

### LED Labels



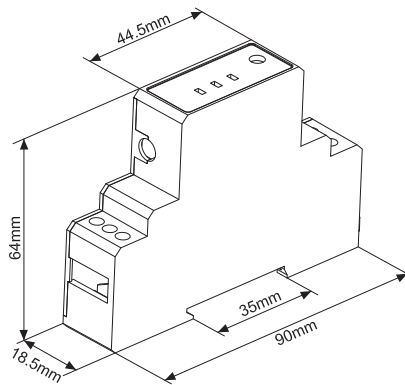
### LED Indicators



The SDM1-AMR features 3 LED Indicators as below:

		The solid green LED indicates that the AMR device is powered on.
		The solid yellow LED indicates that the AMR device recognises the serial connection and has detected the meter.
		If the yellow LED is flashing then this indicates that the AMR device does not recognise the serial connection.
		The solid blue LED indicates that the AMR device is connected to the network.
		If the blue LED is flashing then this indicates that the device has not received an expected acknowledgement from the network.

If the device fails to connect to a network, there is a reset button located on the front of the device. Clicking the reset button will instruct the device to search for connectivity again.

### Dimension Drawing





-  All cabling should be fastened neatly to ensure that no contact is made between wires and pipes.
-  Ensure that all power is turned off before connecting this device.

This device is not fused, it is a requirement that it is preceded by a fused switch spur maximum rating 3 Amp which should be switched as part of the installation. Recommended cable size is 1.5mm<sup>2</sup>, maximum solid 2.5mm<sup>2</sup>

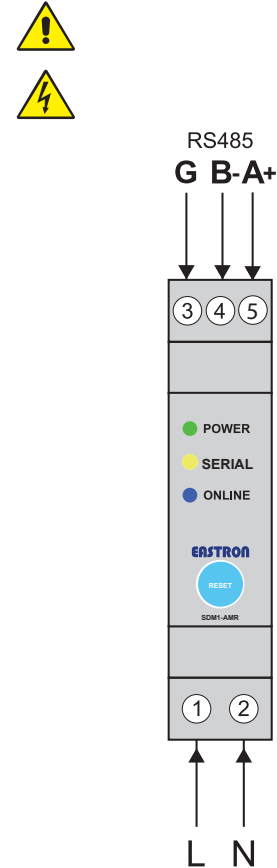
### Warnings

Important Safety Information is contained in this document. Familiarise yourself with this information before attempting installation or other procedures. This product can only be installed by persons trained and competent to permanently install mains powered electrical equipment

#### Symbols used in this document:

-  **Risk of Danger:** These instructions contain important safety information. Read them before starting installation or servicing of the equipment.
-  **Caution:** Risk of Electric Shock

### Wiring Diagram



### Installation

