

Installation manual

A1140 three-phase meter WC



Orsis

Clarendon House
Victoria Avenue
Harrogate
HG11JD
United Kingdom

General Enquiries
info@orsis.co.uk

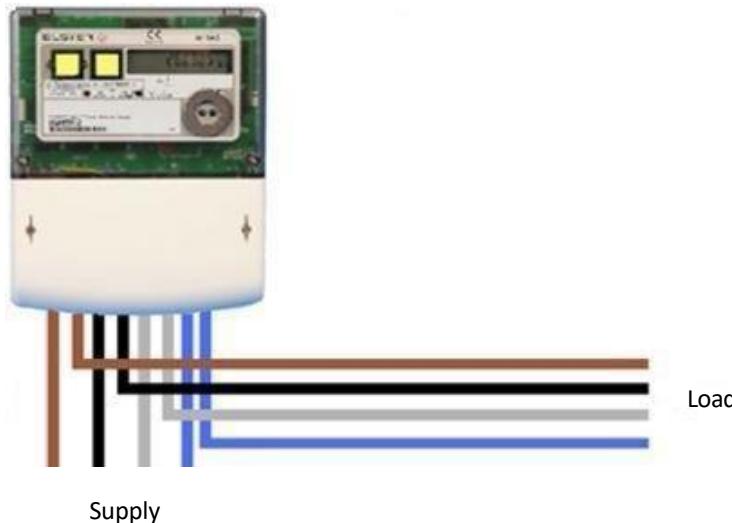
Sales
sales@orsis.co.uk

Phone
01423 530700

Before installing an A1140 meter, Orsis advise carrying out an GPRS connection check.

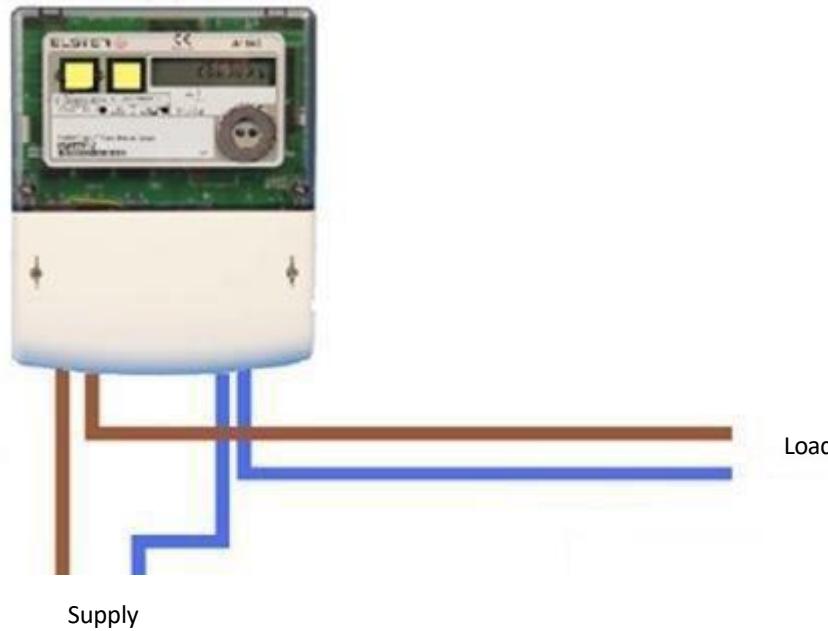
Elster A1140 three-phase whole current meter wiring diagram

Three-phase connection

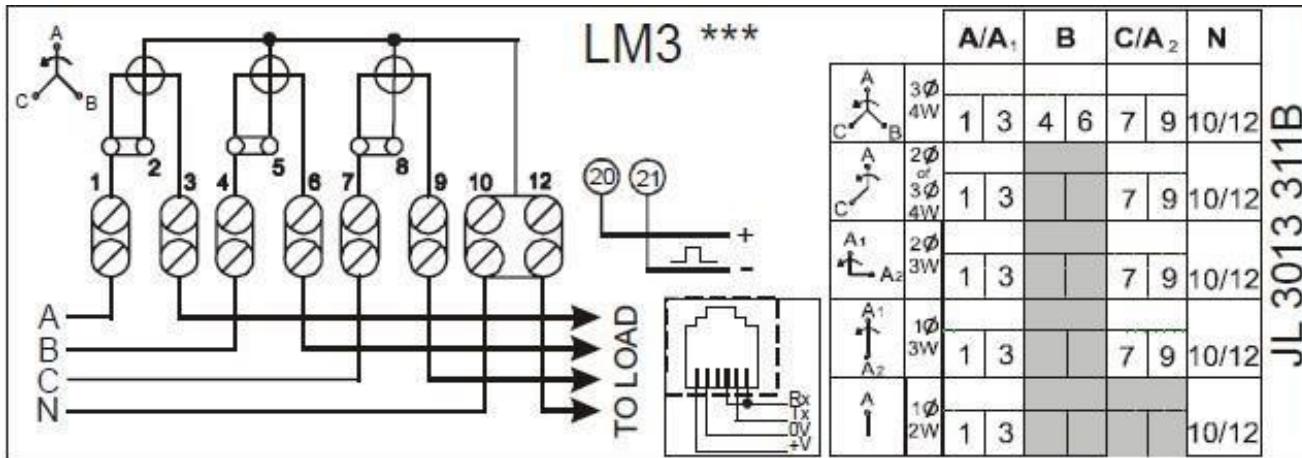


Elster A1140 single-phase whole current meter wiring diagram.

Single-phase connection



Elster A1140 WC wiring schematic



3 phase 4 wire, Direct connected

RJ11 socket location



RJ11 Socket

How to Install the Orsis A1140DC module

Ensure the meter is installed prior to module installation



Remove tails cover



Plug in RJ11 Clip



Fit module on the
bottom of the meter



Refit new tails cover

Orsis A1140DC module

LED Description

There are three LEDs defined as power (PWR), registration status (REG) and error indication (ERR) from left to right on the front of the module as shown below.



| LED | Status Description | LED Status |
|-----|----------------------------|---|
| PWR | Normal system power supply | Always On |
| REG | Registered | Always On |
| | Not Registered | Always Off |
| ERR | Flashing errors | See next section for detail definition list |

LED Error Definition List

| Flashing Sequence | Error |
|-------------------|---|
| Always Off | Registered |
| 1 Flash | SIM card requires changing |
| 2 Flashes | Meter not connected to module |
| 3 Flashes | GSM signal strength is too low |
| 4 Flashes | External Flash Read-Write Error |
| 5 Flashes | GSM Module not started |
| 6 Flashes | GSM Module serial communication error |
| 7 Flashes | External EEPROM Read-Write error |
| 8 Flashes | Meter Connection Error (Failure to get correct data) |
| 9 Flashes | GSM Module Initialisation Failure |
| 10 Flashes | Dialling Failure |
| 11 Flashes | Exceptional Socket Interruption |
| 12 Flashes | Load balance log in error |
| 13 Flashes | Communication sever log in failure |
| 14 Flashes | Registration Failure |

| Part | Description | Notes |
|-----------------|--|--|
| Elster A1140 WC | No display on the meter? | Firstly, check that power is on. If not, switch power on. If power is on and there is still no display then change the meter. |
| | How often should test display scroll? | Automatic cycling every 4 seconds. |
| | What should the display sequence be reading? | There should be 2 display readings – Test (all segments of LCD illuminated) Total kWh register (6 digits) |

Commissioning Phase

It is essential that the commissioning engineer contacts the Orsis support team to confirm the communications paths are operational between the Meter and DC module via GPRS **BEFORE** leaving site.

The metering system will not be deemed operational until Orsis support staff confirm all communications paths are connected.

Please phone Orsis Support Team on 01423 537088 to check and confirm the connection.