

Installation manual

COAP & COPM data loggers



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Orsis advise the checking of mobile network signal levels at the equipment installation point as part of any survey, and also before installation.

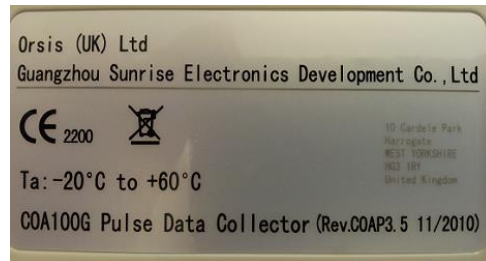
Where RF is being utilised, the LDC must be installed first before connecting any meters, loggers or modules otherwise a successful RF connection cannot be guaranteed.

This manual provides instructions on how to install COAP and COPM data loggers.

Installation environments:

COAP loggers - used only for pulse meter connections such as electricity, water, oil etc.

COPM loggers – specifically for connection to electricity panel meters.



Orsis RF data logger



Orsis COPM data logger



Installation of RF data logger

Ensure the correct logger is used for installation type COPM where the installation is an electricity panel meter.

1. Connect the green and red (brown/black and orange for COPM) wires of the input cable to the pulse device. Note: red (orange) is positive and green (brown/black) is negative for SO voltage outputs (e.g. chatterbox) For all volt-free pulse there is no polarity connection.
2. For COPM loggers, connect the live and neutral power leads to the power connections on the back of the panel meter.
3. For COAP loggers connect a battery to the logger. See picture.



The logger's indicating LEDs will illuminate in sequence from LED 2 (top) to LED 6 (bottom)

Location of RESET and SIGNAL STRENGTH switches.

RESET Switch: pressing and releasing this resets the battery connection without the need to disconnect the battery.

SIGNAL STRENGTH switch: pressing and holding this will indicate the RF signal strength to the LDC.



LED 4 – poor signal
LED 3 & 4 – good signal
LED 2 & 3 & 4 – excellent signal.

After installation and battery connection the logger will attempt to connect to an LDC via RF.

LED 5 will flash twice every 3 seconds – searching for LDC.

LED 5 will flash once every 4 seconds – registering to the LDC.

LED 6 will flash during RF activity.

LED 5 ceases flashing – logger has registered to the LDC and is working OK

Pressing & holding the signal strength switch will indicate the signal strength.

The logger can now be closed. Ensure the logger is secured to or near the pulse device. However, the connection from the logger to the pulse device can be extended up to 10m in length for both types of logger. For ALL logger connections, validation of the meter is required.

Contact Orsis to confirm installation is working and also complete all installation forms provided.

Once it is established the logger has connected to Orsis, two meter readings must be taken at timed intervals. Take the first reading from the meter noting the time of the reading. Once consumption has been registered through the meter and allowing at least 1 hour, a second reading can be taken again noting the time of the reading.



Please phone Orsis support team on 01423 537088 to check and confirm the connection.