



PulseLog Brochure

ModBus Pulse Counter Module

The PulseLog ModBus pulse module was specifically designed to enable the PowerServe AMR system to be able to accommodate different types of pulsed measurements. The unit reads and logs the pulses from energy meters, water meters, gas meters, chilled water meters etc. and stores the readings in non volatile memory.

PULSELOG
4 x Pulse Inputs
ModBus Slave Device
PowerServe Compatible

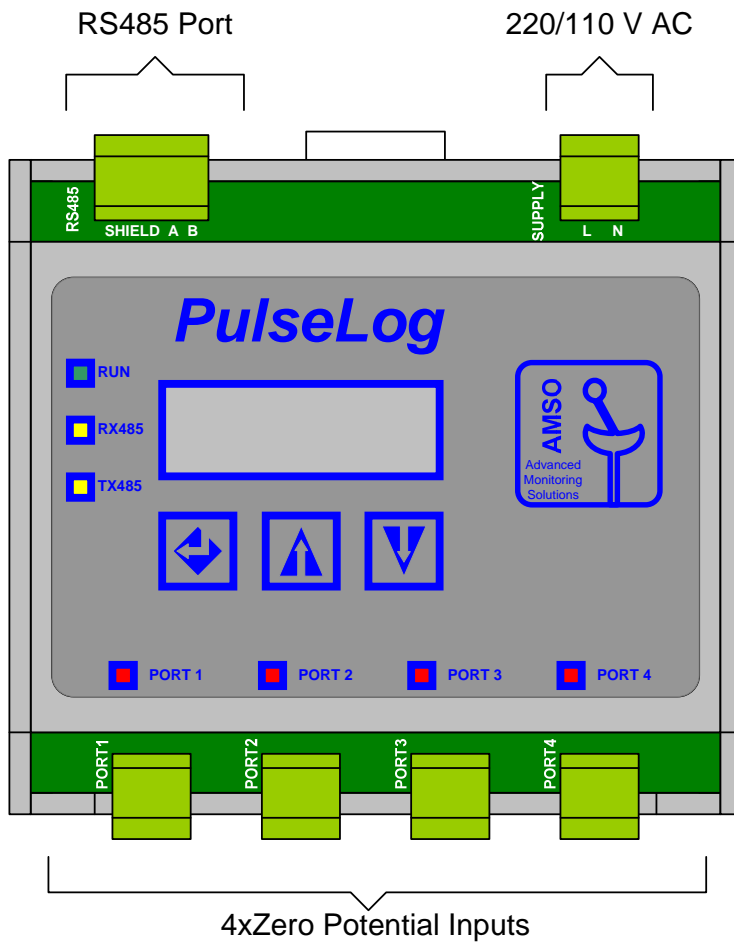
The PulseLog can accommodate up to 4 zero potential pulse outputs on 4 dedicated ports. Each of these ports can be individually addressed. Every PulseLog unit has its own unique ModBus address and can be addressed via the RS485 Port which can be linked into a ModBus daisy chain configuration. PulseLog has an onboard keypad and LCD display to enable onsite setup and diagnostic functions. All settings are password

protected, eliminating any tampering. Theoretically the PulseLog unit enables the connection of 64 pulse output meters to a network before any repeaters needs to be put into the network and up to 510 meters before any address duplication will occur. The power supply has an input range of 90V AC to 230V AC, therefore it can be used in both 230V and 115V environments. The RS485 port is optically isolated and therefore protected against spikes on the network.

Technical Information

External Connections

Figure 1 shows the location of all external connections to the PulseLog unit, including Port1 to Port4, the RS485 Port and the auxiliary supply connection. Connection between the meters and PulseLog can be established by means of any readily available 3-core wire. The use of Mylar screened twisted pair wire for all RS485 connections is strongly recommended. Ensure proper earth, screening and termination of all RS485 networks. More detail on recommended installation of the RS485 network is available on request. It is recommended that a fuse is placed inline with the auxiliary supply.



Note




Always turn off power to the PulseLog unit before attempting any connections..

Keypad and LCD Functions

The keypad together with the LCD provides all the necessary functions to setup and change the internal settings of the PulseLog unit namely.

- Logon and logoff
- Change and view the ModBus address
- Change and view the ModBus baud rate
- View the internal serial number

The keypad has 3 buttons shown in **Error! Reference source not found.** these buttons are referred to as and will be shown between <> brackets when described

-  Enter or carriage return <CR>
-  Up or scroll up button <UP>
-  Down or scroll down button <DOWN>

D Imensions

