

Fault Finding – FAQ's

Q1 – I need to reset the address – from the one set in the EF1

A1 – The address can be reset by sending the following commands

Code 0 – Then 70 (actual command) then address you wish to use

Q2 – How do I know the address has changed?

A 2 – The LED flashes to confirm change

Q3 – I have no software to reset this address ?

A3 – Free software is available at www.windmill.co.uk

Q4 - Does the unit need a power supply ?

A4- Yes it will not work without it

Q4 – What power supply is required ?

A4 - 12vdc or 24vdc (must be dc supply)

Q5 – What is the best type of cable to use ?

A5 – Screened Cable Definitely – suggest

2 pairs of screened twisted pairs

or

Screen Cat 5 – (which has 4 twisted pairs – use 2) Suitable for up to 600 metres

Q6 – Can I test for the pulse manually?

A6 – Yes if the unit has power – short out the pulse input terminals (make a temporary contact between them) and the LED will flash. The LED flashes for 100msecs on receipt of a pulse (10msecs when the address is changed)

Q7 - How do I match the registers on the EF1 to mirror the meter display ?

A7 – Use the Function Code 16

Q8 – What Register/Map/Table is used

A8 – Unsigned 32bit bit integer High Byte – High Word First

Request		
Function Code	1 Byte	0 x 10
Starting address	2 Bytes	0x0000 to 0xFFFF
Quantity of Registers	2 Bytes	0x0001 to 0x007B
Byte Count	1 Byte	2 x N
Register Value	N x 2 Bytes	Value
Response		
Function Code	1 Byte	0 x 10
Starting Address	2 Bytes	0 x 0000 to 0x FFFF
Quantity Of Registers	2 Bytes	1 to 123 (0x7B)
Error		
Error Code	1 Byte	0 x90
Exception Code	1 Byte	01 or 02 0r 03 0r 04