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Application Note –

Serial comms to Invertek E2 drive

See also: Drive user manual
                Modbus register map application note.

Program: Visilogics Invertek Modbus program.vlp

Drive type: Invertek Optidrive E2 – ODE 2-22110 1KB42 01

Comms: Modbus, 19200, 8N1 (V570 Comms Init function – Optidrive P36)
                Drive must be set to slave address 3, P36

Wiring: To RJ45 on front of drive, 2 wire, pins 7 & 8 on drive to pins 2 &1 on V570
                Use Ver 1.02 wiring diagram from application note.
                Note V570 port dipswitches must be set for RS485

S1	On
S2	On
S3	Off
S4	On
S5	Off
S6	On

These settings allow RS485 AND RS232.

Modbus: Supports Modbus commands 03 & 06 only (Read holding registers & preset holding register)

Set parameters shown in Modbus apps note.

Note terminals 1 & 2 on drive control block must be shorted to allow run/stop command register to accept run command, if not shorted then you get a timeout error NOT a write error.

Registers are offset by one so command register (1) at the drive side is read into Modbus 0 at the V570 end, this is normal as Modbus has two version, one starts at zero, one starts at one.

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