



**NOTE**

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

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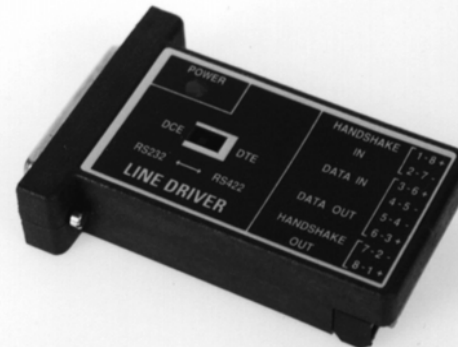
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**OPERATING INSTRUCTIONS**

for

**GW232**

**LINE DRIVER/CONVERTOR**



REF: GW2322005

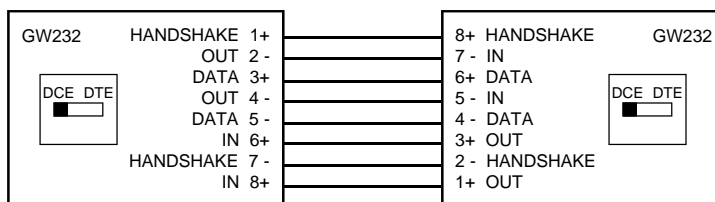
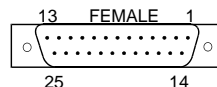
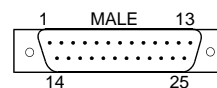


Diagram of two GW232 units connected in 8 wire Data and handshake configuration, extending the RS-232 interface. Full duplex serial channel with hardware handshaking.

If hardware handshake is not required, the data connections only need be made. This reduces the cable requirements to 4 wires.

Select either DTE or DCE as appropriate on each unit. Connections to printers, terminals and PCs usually requires DCE setting. Connections to modems, line drivers and some large computer ports require the DTE setting.

#### RS-232 Connections



Pin	DTE	DCE
1	Shield GND	Shield GND
2	Tx	Rx
3	Rx	Tx
4	RTS	CTS
5	CTS	RTS
6	DSR	DTR
7	Signal GND	Signal GND
8*	DCD	DCD
20	DTR	DSR

\* pulled high by a 5K1 resistor

#### DESCRIPTION

The GW232 line driver is a full duplex line driver which communicates RS232C signals. The unit operate up to 2Km over economical twisted pair cabling. At lower signalling speeds (e.g. up to 2400 bits/sec) it may be possible to communicate further than 2Km, depending upon the quality of the link cable and the local environment.

The unit can be in two modes: Data Only Mode requires just two twisted pairs in the link cable, Data and Handshake Mode requires four twisted pairs. Connection of the link cable is simple and a wiring guide is printed on the units. All RS422 signals are internally terminated, and any unused lines may be left unconnected. The GW232, DTE/DCE switch allows the GW232 to be configured to match most asynchronous RS232 equipment, including terminals, PCs, printers, plotters etc., without having to make special cross-over wiring configurations in your RS232 cables. All unit is supplied complete with a small external power transformer and carry a light indicating when power is available. The GW232 is available in two versions; the GW232M has a male RS232 connector and the GW232F has a female RS232 connector.