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OPERATING INSTRUCTIONS

for

***GO232 SMA/ST.850 - RS232
FIBRE OPTIC MODEM***

LF153 REV1

GO232 SMA/ST.850 - RS232 MODEM



DESCRIPTIONS

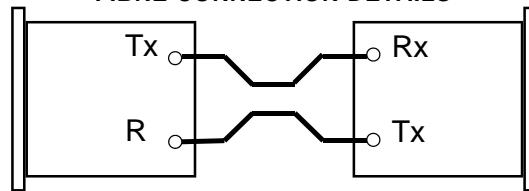
The **GO232 SMA/ST.850** is a full duplex 0 to 19200 baud fibre optic RS232C modem. It supports software handshakes (Xon/Xoff), utilising up to 8 kilometres of 50/125 micrometre glass fibre.

The GO232 SMA/ST.850 can be host powered, via pin 9 on the RS232C interface*, or to customers requirements.

The RS232C interface is via a standard 25 way "D" connector, available in male or female types. DTE or DCE configuration is selected by a switch on the face of the equipment.

* Each unit is supplied with a power unit (9 Volt DC 200mA.) to suit country of operation.

FIBRE CONNECTION DETAILS



OPTO-ELECTRICAL CHARACTERISTICS

Transmitter at 25°C

Wavelength 850nm
 Life to Half Brightness (-3dB) (typical) 80,000 hours
 Peak Coupled Power (typical) -17dB after 10 metres

Receiver at 25°C

Max. Sensitivity (typical) -37dB (at 850nm)
 Saturation Level (typical) -17dB (at 850nm)
 Spectral Range 380 -1100nm (S=10% Smax)
 Smax Wavelength 850nm
 Recommended Cable 50/125 micrometre
 Other Cable 62.5/125 100/140 200 micrometre PCS

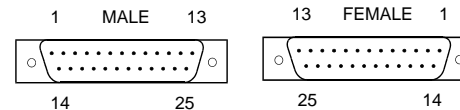
SETTING UP

1. Check that the power units are the correct type for the country of operation and if so connect to the mains.
2. Connect Power leads to the equipment and check red power indicators illuminate.
3. Select DTE or DCE connector configuration. (Computers are usually DTE configuration and peripherals DCE).
4. Route cable following manufactures recommendations concerning required environment and minimum bend radius.
5. Remove caps from fibre optic connectors, connect the fibre optic cable and fit to equipment.

The GO232SMA/ST.850 has a conductive case and by using the captive screws on the RS232 connector to fix it to the equipment the electrical screening properties will be improved.

NOTE. Tx LED light emissions should not be observed at close range.

PINOUT DIAGRAM



Pin	DTE	DCE
1	No Connect	No Connect
2	Tx	Rx
3	Rx	Tx
4	RTS	CTS
5	CTS	RTS
6	DSR	DTR
7	GND	GND
8	DCD	DCD
9	+ VE*	+ VE*
20	DTR	DSR