Datasheet

ENGLISH

Cable RS232C Wired Modem

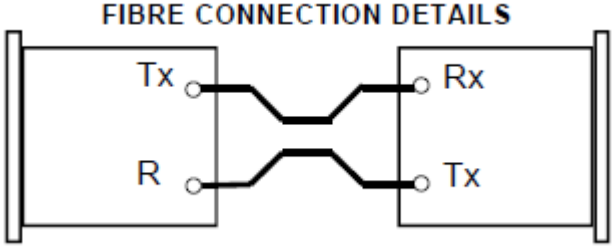
RS Stock number 355-5711

Description

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



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Features:

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 25ºC	
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