

Pilot Plug assembly 89-081

Wiring Instructions

The Pilot Plug assembly is supplied already wired to a 20 m cable. The free end of this cable is to be connected to the AIS system.

The instructions given here are specific to the McMurdo M-1, but by following the principle and the named connections it should be possible to install this accessory on any AIS system.

Connection

The plug receptacle is the IMO standard recommendation; pin numbering and connection is in accordance.

Pilot Plug	Wire colour	Transponder
No Connection		RxCOM
Pin 6	Black (red foil)	RxB
Pin 5	Red (red foil)	RxA
Pin 1	White (green foil)	TxA
Pin 4	Black (green foil)	TxB
No Connection		TxCOM

There is usually a port on the AIS system dedicated to the Pilot Plug; for the M-1, it is the AUX port. Line termination resistors are not required provided the cable length is 20 m or less. (It is recommended that any RS-422 to RS-232 converter, if used, is also unterminated.)

Screening

It is recommended practice to connect the screen of the cable to ground at one point only. In this case, the cable screen should be connected to system ground at the AIS.

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