

#### 4-Wire to 2-Wire Telephone Circuit Remote for ASOS Equipment

##### **GENERAL**

There have been complaints from the field about the local telephone company incorrectly wiring circuits for ASOS equipment. This maintenance note provides a wiring diagram (figure 1) for a full duplex data circuit with a 2-wire hand off at both ends of the circuit. The wiring diagram is intended as an aid for the ASOS technician. Not all telephone companies use the same wiring methods. The diagram should help the technician to determine if the wiring is correct when an OID, VDU, or printer is installed. SMI has found that a 4-wire full duplex line with the 2-wire hand off should be ordered, so that the OID can operate without experiencing telco line problems. The function of a hybrid circuit is to interface a 2-wire circuit to a 4-wire circuit to permit full duplex operation.

##### **EFFECT ON OTHER INSTRUCTIONS**

None.

##### **REPORT MAINTENANCE ACTION**

None.

##### ***Original Signed***

Acting Chief, Engineering Division

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spellchecked:redone 5/29/96

