

# XMD076 TYPICAL WIRING REFERENCE DIAGRAM

THIS DRAWING IS NOT AN ACTUAL AIRCRAFT INSTALLATION AND IS TO BE USED AS A REFERENCE ONLY. ACTUAL AIRCRAFT INSTALLATION CONFIGURATIONS ARE TO BE DETERMINED BY THE INSTALLER.

**XMD RECEIVER, RS232 TYPE**  
P/N: XMD076-01

**MAIN INTERFACE (J1 DB37P)**

**POWER**  
POWER INPUT  
POWER ENABLE  
POWER GND

**WEATHER DATA OUTPUT**  
BAUD=115.2K  
PARITY=NONE  
DATA BITS=8  
STOP BITS=1

RS232 TX  
RS232 RX  
RS232 GND

"WEATHER DATA ON/OFF"

DB37S

19  
18  
37

22  
4  
23

14-28VDC BUS

POWER GND BUS

RX  
TX  
RTN  
INTERCONNECT TO  
MFD RS232 COMPORT  
REFER TO MFD INSTALLATION  
DOCUMENTATION FOR CONNECT

NOTE: MAX LENGTH 50 FEET

**XMR ACTIVE ANTENNA MODULE**  
P/N: XMRANT-XX



SMA PLUG TO ANT.

ANTENNA IN (SMA JACK)

ANTENNA OUT (SMA JACK)

OPTIONAL  
ANTENNA DAISY-CHAIN  
OUTPUT ON EXTREME RECEIVER  
VERIFY TERMINATOR IS INSTALLED  
IF NOT USED (INSTALLED AT FACTORY)  
(HEADSUPP/NCON428)

REV	DESCRIPTION	DATE/BY
A	CHANGED ANT OUT NOTE	10/26/04 JDH

## NOTES: UNLESS OTHERWISE SPECIFIED

1. ALL EQUIPMENT AND WIRING TO BE INSTALLED PER A/C MANUFACTURER AND FEDERAL AVIATION REQUIREMENTS, AS REQUIRED.
2. ALL WIRE PER MIL-STD-22579/16-22 AND CABLE PER MIL-STD-22579/16-22 AS REQUIRED BY AIRCRAFT REQUIREMENTS.

- 3. RF COAXIAL CABLE SHALL BE RG400 OR RG142. MAXIMUM ALLOWED CABLE LENGTH SHALL BE 40 FEET, INCLUDING ANTENNA TO RECEIVER AND RECEIVER TO RECEIVER RUNS.
- 4. RECOMMENDED MATING CONNECTORS AND ARE INCLUDED IN INSTALLATION KIT.  
(SMA PLUG, STRAIGHT) TYCO/AMPP/N225532-3  
(SMA PLUG, R/A) TYCO/AMPP/N225609-3  
(DB37S) M24308/2-4F
- OTHER CONNECTORS USED ARE BET BD BY INSTALLER.
- 5. POWER BUS VOLTAGES SHALL NOT EXCEED RTCA/DO-160DC CATEGORY BAND Z.
- 6. ALL WIRE, CABLE AND EQUIPMENT SHOWN FOR REFERENCE ONLY. TO BE SUPPLIED BY INSTALLER/USER.
- 7. MOUNTING STRUCTURE SHALL PROVIDE CHASSIS GROUND CONNECTION TO AIRFRAME GROUND. CABLE SHIELD SHOULD BE TERMINATED TO CONNECTOR BACKSHELL.
- 8. ENERGIZE (APPLY 14-28VDC/30mA) POWER ENABLE FOR UNIT OPERATION. USES SWITCH AS SHOWN OR JUMPER DIRECT TO POWER WIRE.

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ENGINEER: JOHN HEADER	DATE: 05/26/04	DESCRIPTION: <b>WIRING REFERENCE DIAGRAM XMD WEATHER DATA, RS232 TYPE</b>
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