

RF Monitoring Products



CATS 74512 Series

Tx MONITOR INTERFACE AND ALARM CONSOLE

- Interface Console for 8455 and 8475 Series Tx Power / VSWR Monitors
- Provides All Connections for Up to Six Modules
- Designed Specifically for Nortel's S4000 BTS
- LEDs and Form-C Relay for Alarms
- RS 232 Interface

DESCRIPTION

The CATS 74512 Interface and Alarm Console provides all the necessary connections for up to four 8455 or 8475 series Tx Power/VSWR Monitors. The unit was designed specifically to mount inside a Nortel S4000 BTS but is suitable for other similar installations. The interface to the Tx modules is through a standard 9-pin serial cable. DC

power is provided to each module along with an RS 485 data interface and a Form-C relay control. The Interface and Alarm Console provides a Form-C relay for each monitor with an accompanying LED. A reset button and an RS 232 interface for virtual displays and remote communications is also provided.

SPECIFICATIONS

MODEL	74512
COMPATIBLE PRODUCTS	SERIES 8455 AND 8475 Tx MODULES
MODULES SUPPORTED	ONE TO SIX
DC POWER	-48 VDC @ 1 AMP MAX.
POWER INDICATOR	GREEN LED
ALARM INDICATORS	RED LED FOR EACH Tx MODULE ONE FORM C RELAY NO & NC RESPONDING TO ANY Tx MODULE
RS232 INTERFACE	HALF DUPLEX
DTE	LOCAL PC CONNECTION
DCE	MODEM
BAUD RATE	600 TO 9600
CONNECTORS	
TX MODULES, RS 232	9 PIN MINIATURE D-FEMALE
FORM C RELAYS	9 PIN MINIATURE D-MALE
DC INPUT	9 PIN MINIATURE D-MALE
ALARM RESET	SINGLE BUTTON ALL UNITS
SIZE & MOUNTING	SEE OUTLINE
TEMPERATURE RANGE	0 TO 55°C
HUMIDITY	0 TO 95% RH, NON-CONDENSING

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OUTLINE DRAWINGS

CONNECTOR PINOUTS

J1 - J4: TX CONNECTORS

PIN NO.	FUNCTION
1	ALARM OUTPUT
2	DO NOT USE
3	+24 V
4	DO NOT USE
5	24 V RETURN
6	TR+ (RS485-6)
7	+24 V
8	(SHORTED TO PIN 3)
9	TR (RS485-7)

J5: DC POWER INPUT

PIN NO.	FUNCTION
3	-48 VDC RETRUN
5	-48 VDC INPUT

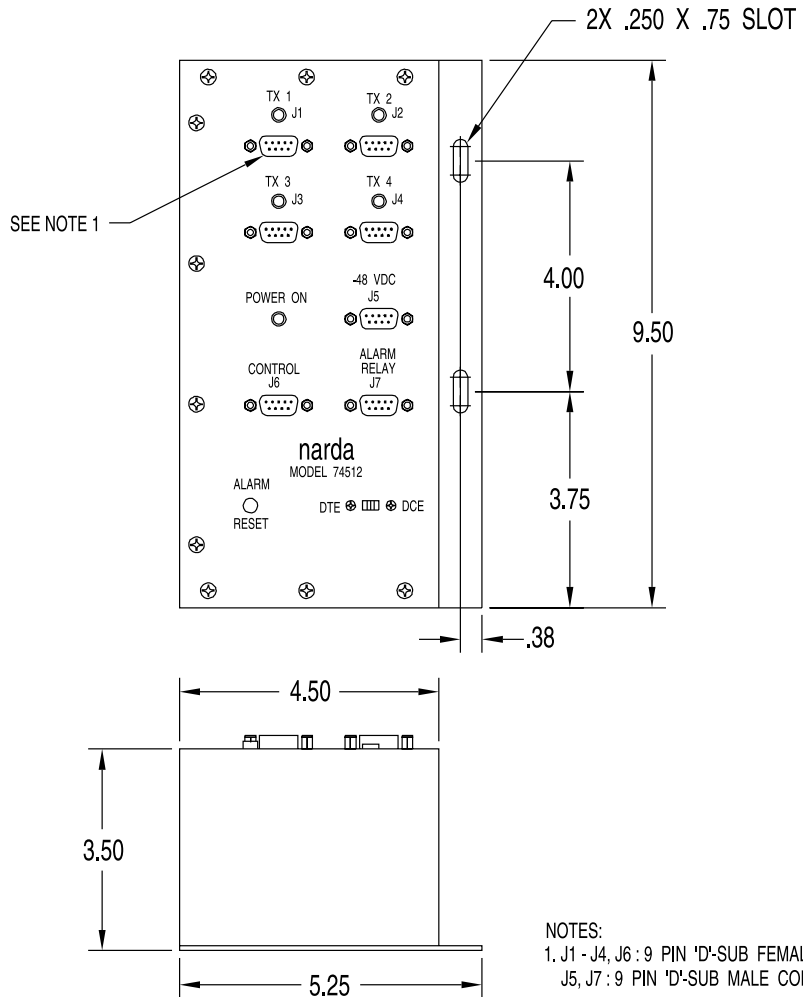
J6: RS232 CONNECTOR

NOTE: SWITCH IN DCE POSITION

PIN NO.	FUNCTION
2	TX
3	RX
5	GND
7	CTS

J7: ALARM RELAY CONNECTOR

PIN NO.	FUNCTION
1	NORMALLY CLOSED
2	NORMALLY OPEN
3	COMMON



NOTES:
1. J1 - J4, J6 : 9 PIN 'D'-SUB FEMALE CONN
J5, J7 : 9 PIN 'D'-SUB MALE CONN