FOREWORD

This document is for control room personnel who operate the 3300 Monitoring System. The procedures are presented in step-by-step graphic format.

RELATED DOCUMENTS

3300 System Overview, 80177

3300 System Installation Instructions, 80172

3300 System Troubleshooting, 80173

3300/10 Power Supply, 80174

3300/01 System Monitor, 80175

3300/48 Case Expansion Maintenance, 84418-01

Dynamic Data Manager System, 46390-01

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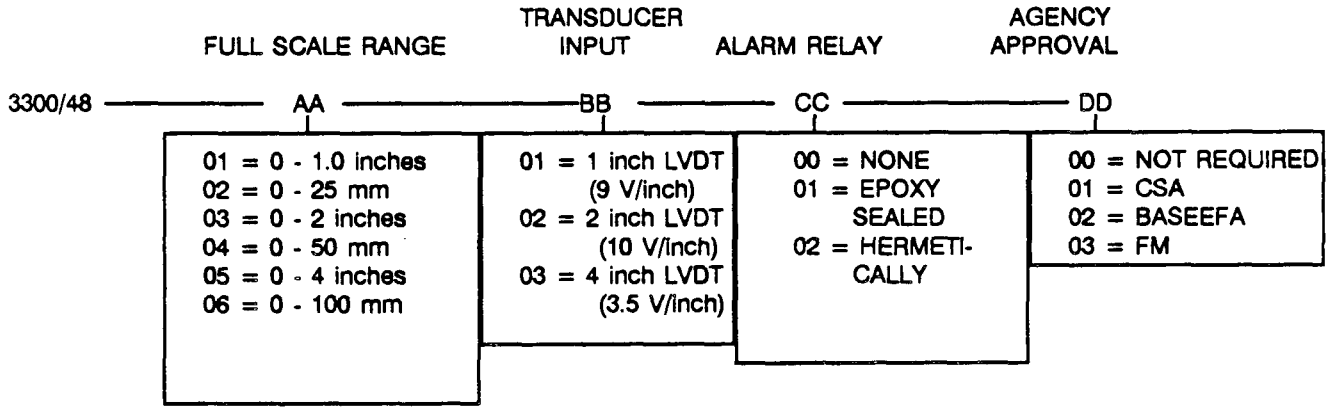
Fax 702-782-9253

2 MONITOR OPTIONS

CASE EXPANSION
MONITOR PART NUMBER

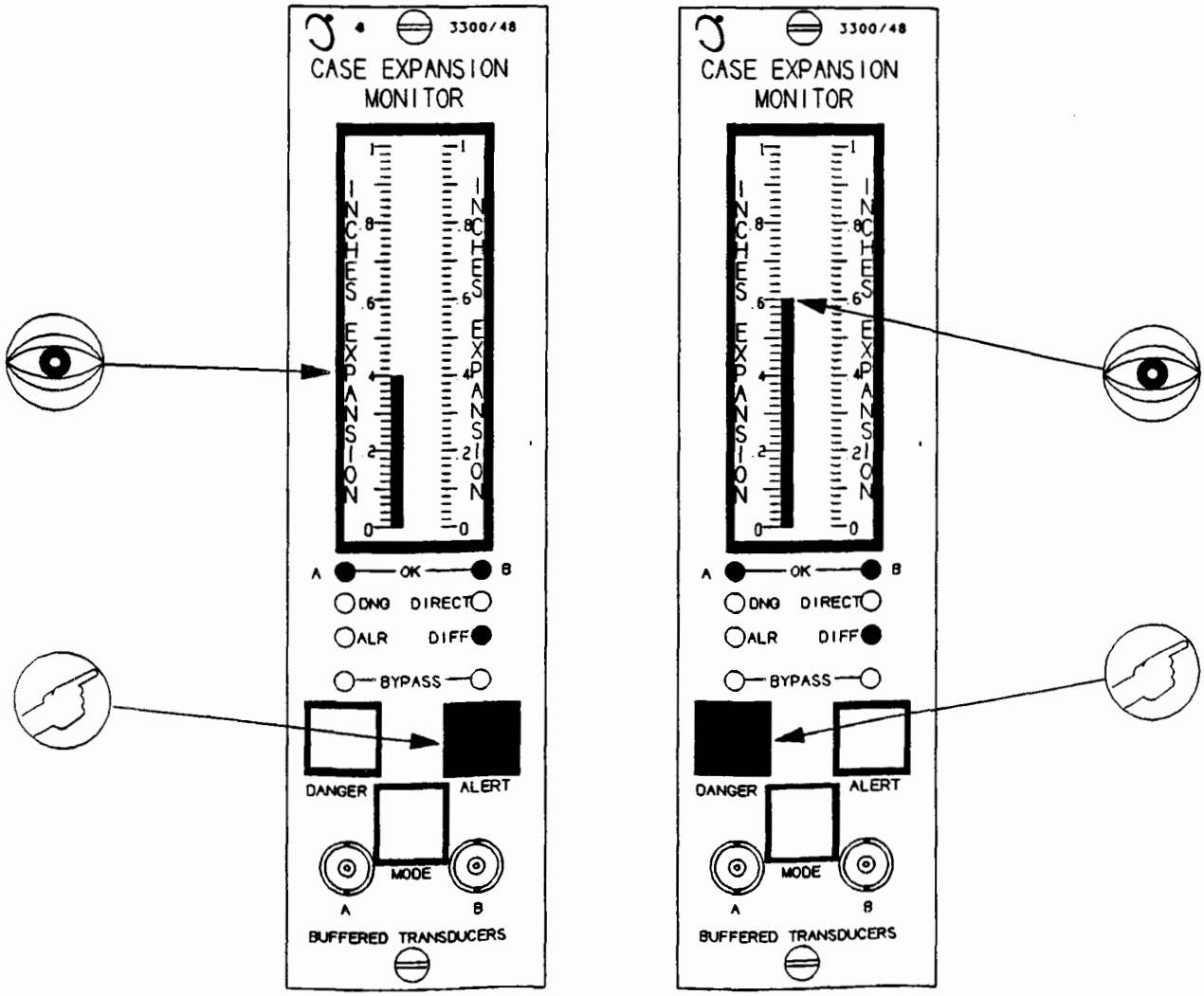


9 READ SETPOINT LEVELS

Note: You can read the setpoints in Differential Mode only. If you try to read the setpoints in direct mode, the display will be blank.

Alert SetPoint = 0.4 inches

Danger SetPoint = 0.6 inches



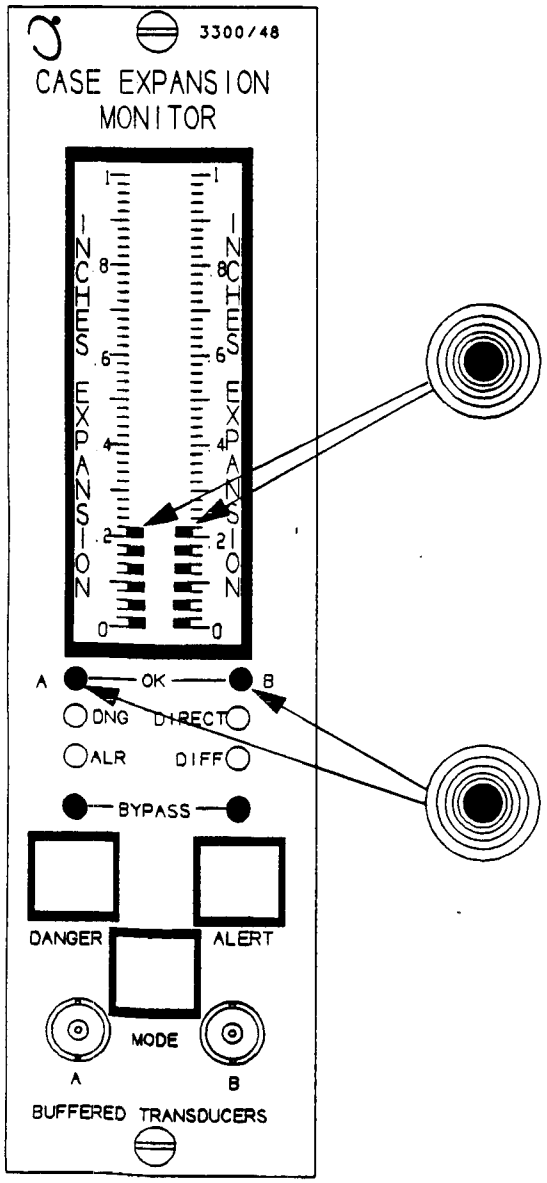
10 SELF TESTS

The three levels of self tests are

power-up - performed only when the monitor is turned on

cyclic - continuously performed by the monitor

user-invoked - performed only when initiated by the user.



The monitor on this page is giving a signal that a continuing error has been detected during a self test. When a continuing error is detected,

monitoring is stopped until the error is resolved,

the error code is flashed on the LCD bar graph and stored in memory,

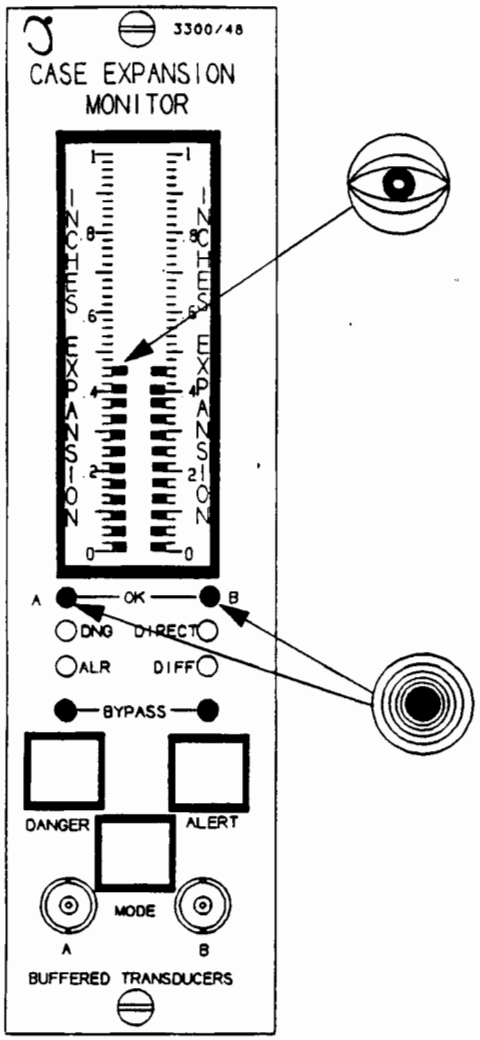
the Bypass LED comes on and the OK LED flashes at 5 Hz.

If the error goes away, monitoring is resumed and the OK LEDs flash at 5 Hz. The error code, however, remains stored in the monitor and may be read by using the user-invoked self test.

Note:

Although both columns of the bar graph flash, the error code is only the sum of the bar graph segments displayed in one column. For example the monitor on this page is displaying error code 6.

10 SELF TESTS



Error Code	Description
2	ROM CHECKSUM has failed. *
3	EEPROM failure number 1. **
4	EEPROM failure number 2. *** Adjust set points
5	+7.5V/-VT node out of tolerance. **
6	+VRH node out of tolerance. **
7	+5V node out of tolerance. **
8	MVREF node out of tolerance. **
9	+7.5V node out of tolerance. **
10	+VRL node out of tolerance. **
12	+5V/-7.5V node out of tolerance. **
14	RAM failure. *
17	COP Watchdog not configured.
18	+5V/-5V or +15V node out of tolerance. **
21	Incorrect switch or switch combination. ****
22	Incorrect jumper configuration. *

* Tested only at Power Up or User Invoked Self Test. This error is displayed on the front panel but is not stored in memory.

** Tested only at Cyclic Self Test. Errors 2, 3, and 14 are non-recoverable and errors 5 through 13 could be intermittent and recoverable.

*** Error 4 is a setpoint failure and may be corrected by adjusting all setpoints in the monitor.

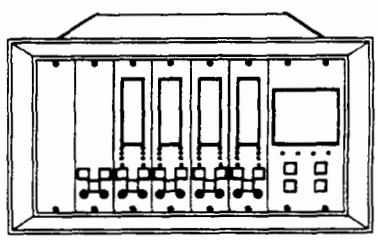
**** Tested only when monitor is in calibration mode.

PART NO. 84418-01

3300/48 CASE EXPANSION MONITOR

MAINTENANCE MANUAL

BENTLY NEVADA



FORWARD

This document is intended for personnel who maintain the 3300 Monitoring System.The procedures are presented in step-by-step graphic format.

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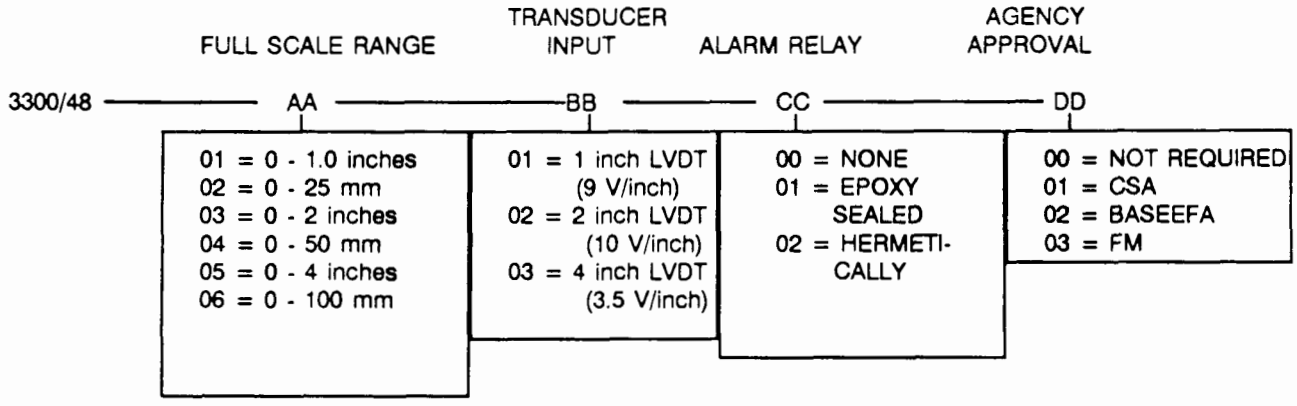
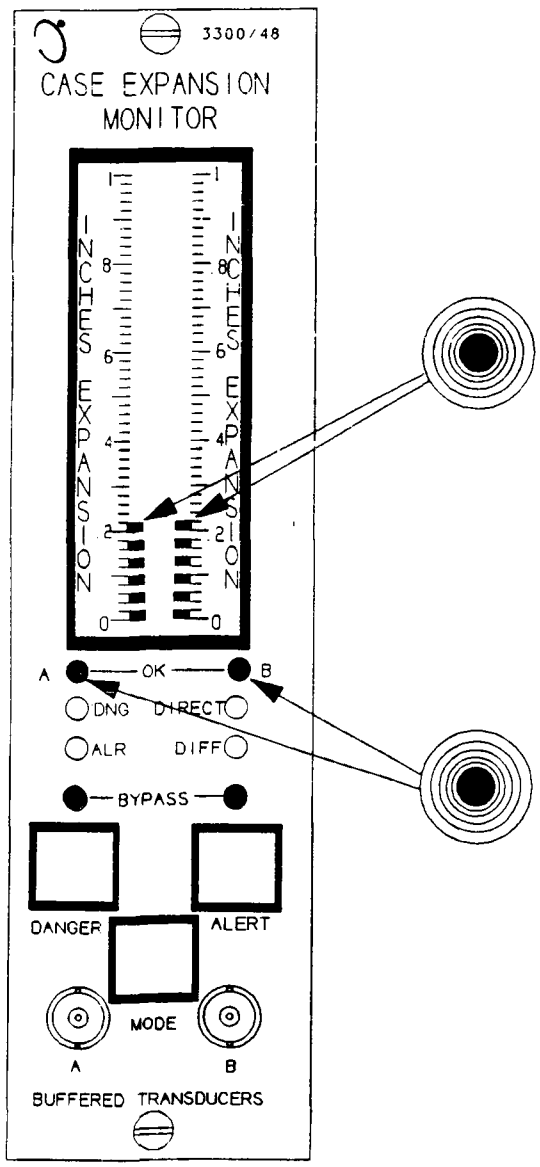
6 MONITOR OPTIONS

CASE EXPANSION
MONITOR PART NUMBER



14 Self Test

The three levels of self tests are
- power-up - performed only when the monitor is turned on
- cyclic - continuously performed by the monitor
- user-invoked - performed only when initiated by the user.



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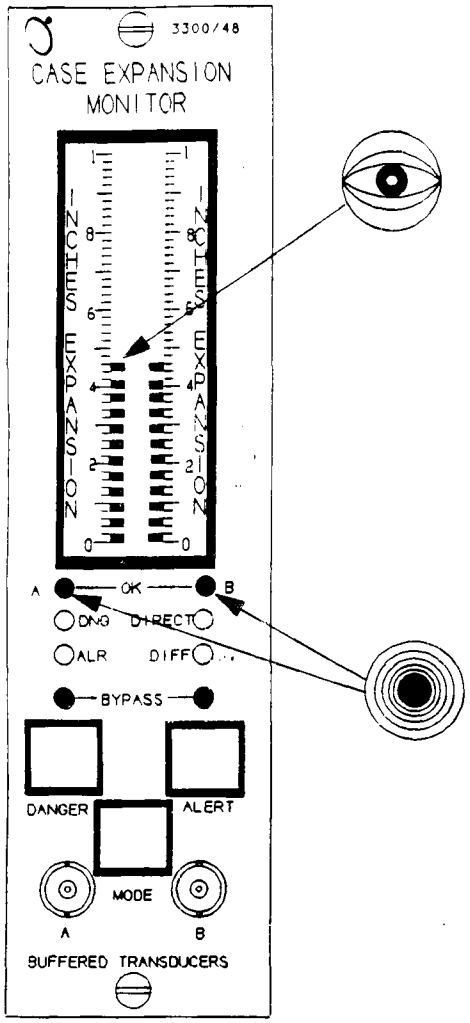
14 Self Test [Cont]



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