**TECHNICAL INFORMATION SHEET – NUMBER <u>368</u>**

2400 PDSIO MODE 2

1/29/99

ISSUED BY THE APPLICATIONS ENGINEERING DEPARTMENT

PDSIO is a simple method of transmitting analog, digital, control, and diagnostics information between two instruments using only two lines. The 2400 with nonstandard EU0259 ver A3.19 has PDSIO mode 2. With PDSIO mode 2, various information is transmitted by the power instrument to the temperature controller which includes ON state heater current and two fault indications. These indications can be caused by:

<u>SSR.F</u>
Broken wiring to TE10
Shorted SSC ( Failed ON)

<u>HTR.F</u>
Open Heater
Blown Heater
No Line Voltage
Failed SSC ( Failed OFF)

**To setup PDSIO Mode 2**

1. Power up the controller and go into configuration mode. See TIS 165 for further details.

2. Press the page key until 1A Conf is displayed.

3. Press the scroll key until i d and verify that it is showing Lgc.

4. Press the scroll key until Func is displayed, select SSr.2

5. Press the scroll key to VAL.L and enter 0, scroll to VAL.H and enter 100.

6. Press the scroll key to Out.L and enter 0.0, scroll to Out.H and enter 100.0.

7. Exit configuration and enter the FuLL list.

8. Press the page key until AI Li st is displayed.

9. Press the scroll key until di AG is display and select YES.