# ORACLE S1ES-LV
# SERIES II

**Enhanced Loop Monitor**

**Operations Manual**

**Addendum to the Oracle S1E Series II Operations Manual**

**1. Modify 3.1 Installation**

The input power supply level should be between 10.8 VDC and 28.8 VDC.
**NOTE: CONNECTING TO AC MAINS VOLTAGES WILL CAUSE DAMAGE TO THE UNIT.**

**2. Modify 3.1 2.1.5.3 Timer Control Inputs**

Timer Control inputs are provided for each channel to modify the operation of the Delay and Extension functions. The application of a DC voltage will inhibit the Delay timing function and/or enable the Extend timing function as described in sections 2.1.5.1 and 2.1.5.2.

**3. Modify 4.2.1 LCD or LED not lit - detector does not operate or have power**

*Power supply fault*: The ORACLE S1ES-LV Series II detectors require a 10.8 to 28.8 VDC nominal supply. The detector will normally operate at lower voltages but this may result in the unit entering a reset state. In this case, the unit will appear to be non-functional

**4. Modify 6.4 Electrical**

DC Supply Voltage Minimum ..... 10.8 VDC
DC Supply Voltage Maximum ..... 28.8 VDC
DC Timer Control Inputs
- True (active) ..... greater than 16 VDC
- False (not active) ..... less than 8 VDC

Optically Isolated Solid State Outputs
- True (low, 25 mA) .....less than 1.5 Vdc
- Maximum Leakage Current (DC Supply = 24Vdc)..... 150 uA
- Maximum Current (low) ..... 50 mA

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**5. Modify 6.6.2 ORACLE S1ES-LV Pin Assignment**

| Pin | Channel 1 Function |
|---|---|
| **A** | DC Power Ground |
| **B** | Ch 1 Output Emitter |
| **C** | No Connect |
| **D** | Channel 1 Loop Input |
| **E** | Channel 1 Loop Input |
| **F** | Ch 1 Output Collector |
| **G** | Reserved |
| **H** | Earth Ground |
| **I** | DC Power |
| **J** | Ch 1 Timer Control |