

**Applies To:** Series 2 boards (NSC-100, SSP-D2) and Series 3 boards including the SSP-LX when communicating with OSDP readers.

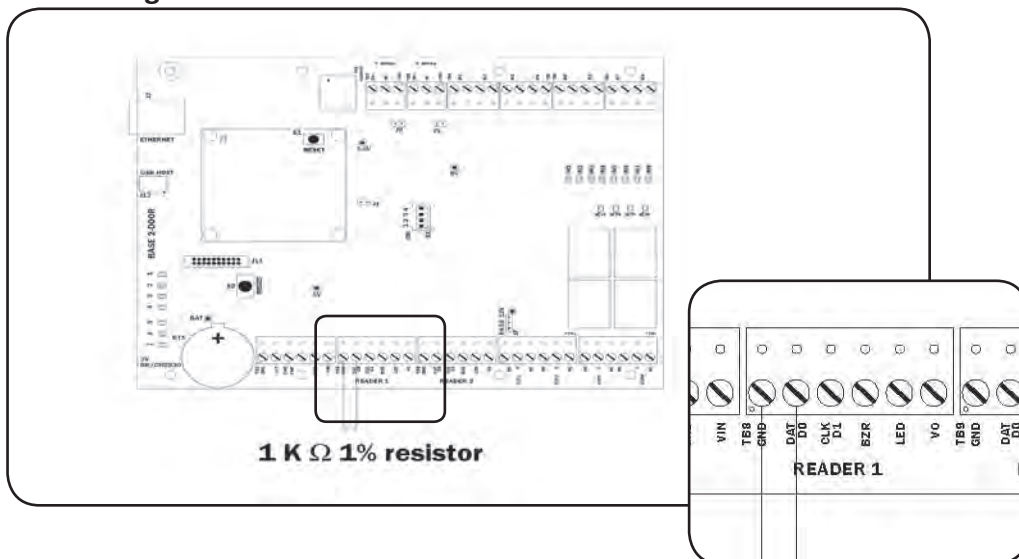
**Issue:** Series 2 and Series 3 controllers may have issues communicating with OSDP readers.

**Summary:** The OSDP readers are interpreting a non-driven 485-line as data in certain installation environments. This interpretation results in a communication fault that will inhibit the panel and reader from properly communicating.

**Resolution:** For users deploying series 2 or series 3 boards follow the instructions below.

- Place a **1K ohm( $\Omega$ ) 1% resistor** between DAT D0 and GND line

### SSP-LX Diagram



This will create a communication bias that will keep the reader from improperly interpreting data. To function properly, there must be **NO** ground faults in the installation.

**Note:** Please ensure that the DC Ground (power supply return) is **NOT** connected to the earth ground.