DE-4000 Terminal Module Improvements

The 691760 Terminal Module has been updated with the ability to eliminate the use of the jumpers on the terminal strip by using a DIP switch setting. This improved Terminal Module is noted by "R1" next to the part number on the board and is 100% backwards compatible with the original version. There are added graphics on the label denoting these new switch settings and the Installation Instructions are also updated to show the new settings. Retrofits can use the original jumpers, or they can be removed and DIP switch settings can be set to replace the jumpers. "R1" Terminal Modules will NOT be shipped with jumpers since the switch settings would eliminate them on new applications.

An additional improvement was also made to "R1" to incorporate short circuit protection to the 4-20mA outputs. This improvement is transparent and in no way affects the use, calibration or retrofit from the original Terminal Module to the "R1" Terminal Module.
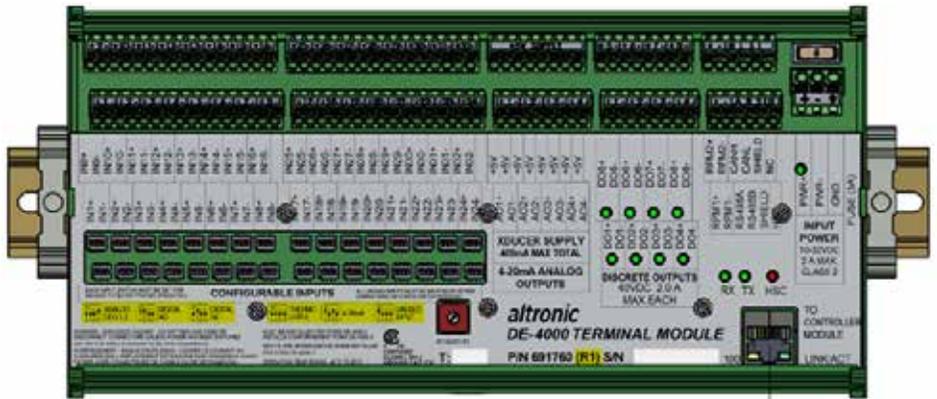
EACH CHANNEL CAN BE CONFIGURED AS N/O, N/C, ANALOG INPUT, THERMOCOUPLE OR 4-20MA.

■ MAKE SURE THE SWITCH IS IN THE CORRECT POSITION FOR THE SENSOR TYPE.

TO CONTROLLER MODULE

*Be sure to note the changes to the DIP switch settings when replacing a Terminal Module. Digital NO, 4-20mA and Unused Inputs have different settings than the legacy Terminal Module.

NOTE:

1. N/O SENSOR SWITCH AND 4-20mA MUST HAVE SW POS 1 ON OR HAVE SHUNT JUMPER IN PLACE BETWEEN INx (+) AND INx (-) OF TERMINAL BLOCK. POWER SUPPLY MINUS AND SENSOR GROUND MUST BOTH BE COMMON.

2. N/C SENSOR SWITCH, REMOVE JUMPER AND PLACE SWITCH WIRES, ONE IN (+) OTHER IN (-)

3. ALL UNUSED INPUTS MUST BE SHUNTED WITH EITHER SW POS 1 OR A JUMPER.

Legacy DIP switch settings noted below:

1 2 3 4	1 2 3 4	1 2 3 4	1 2 3 4
ANALOG DEG1 DEG2	NO/NC DIGITAL INPUT	J/K THERMO- COUPLE	4-20mA INPUT