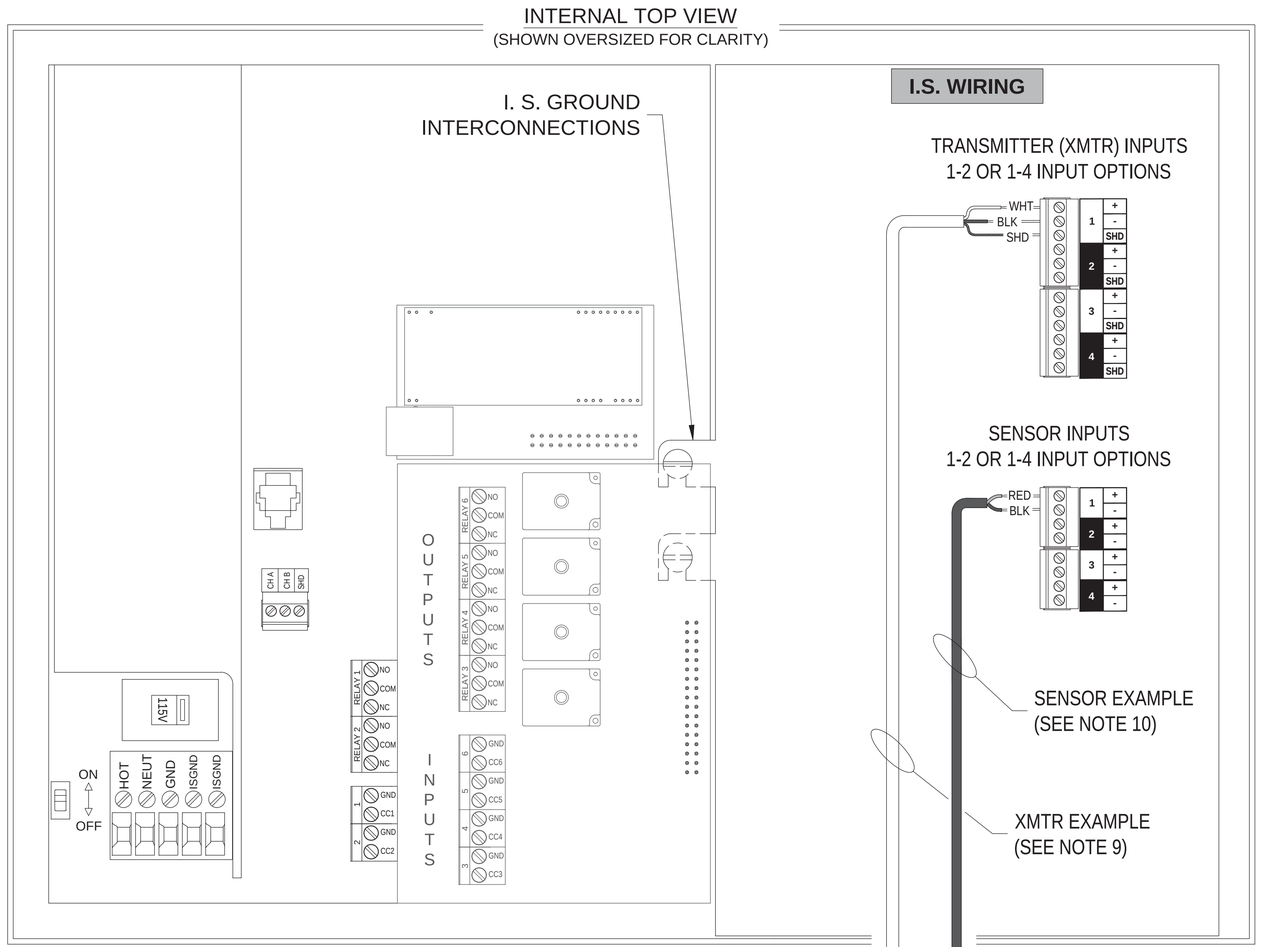
# WIRING DRAWING - TANK MANAGEMENT SYSTEM (TMS2000A1)




## ⚠ IMPORTANT NOTES - READ CAREFULLY BEFORE INSTALLATION

UNLESS OTHERWISE SPECIFIED:
(NOTES 3-8 DO NOT APPLY TO THIS PAGE)

1. CONSOLE MOUNTING: MOUNT AS CLOSE AS PRACTICAL TO DIVIDING BOUNDRY OF THE HAZARDOUS AND NON-HAZARDOUS AREAS. NEVER MOUNT INSIDE THE HAZARDOUS AREA.
2. INTRINSICALLY SAFE INPUT WIRING: INSTALLATIONS SHALL COMPLY WITH THE LATEST EDITION OF THE NATIONAL ELECTRICAL CODE (ANSI/NFPA 70) AND THE CANADIAN ELECTRICAL CODE (CEC). NON-INTRINSICALLY SAFE WIRING CANNOT BE RUN IN CONDUIT OR OPEN RACEWAYS TOGETHER WITH INTRINSICALLY SAFE WIRING.
9. SHIELDED TRANSMITTER FIELD CABLE IS REQUIRED, THE SHIELD WIRE MUST BE CONNECTED TO THE TRANSMITTER "SHD" TERMINAL IN THE CONSOLE I.S. COMPARTMENT AND SHOULD BE CUT BACK AND LEFT UNTERMINATED AT THE TRANSMITTER TERMINAL BLOCK.
10. SHIELDED SENSOR FIELD CABLE IS NOT REQUIRED, BUT IF USED, THE SHIELD WIRE MUST BE CONNECTED TO THE SENSOR GROUND (-) TERMINAL IN THE CONSOLE I.S. COMPARTMENT AND SHOULD BE CUT BACK AND LEFT UNTERMINATED AT THE SENSOR JUNCTION BOX.
11. TRANSMITTER TERMINAL BLOCK ORIENTATION (SEE BELOW) SHOWN FOR ILLUSTRATION PURPOSES. ACTUAL TERMINAL BLOCK TYPE, TERMINAL NAMES AND/OR ORIENTATION MAY VARY FROM EXAMPLE.

PNEUMERCATOR
Liquid Level Control Systems

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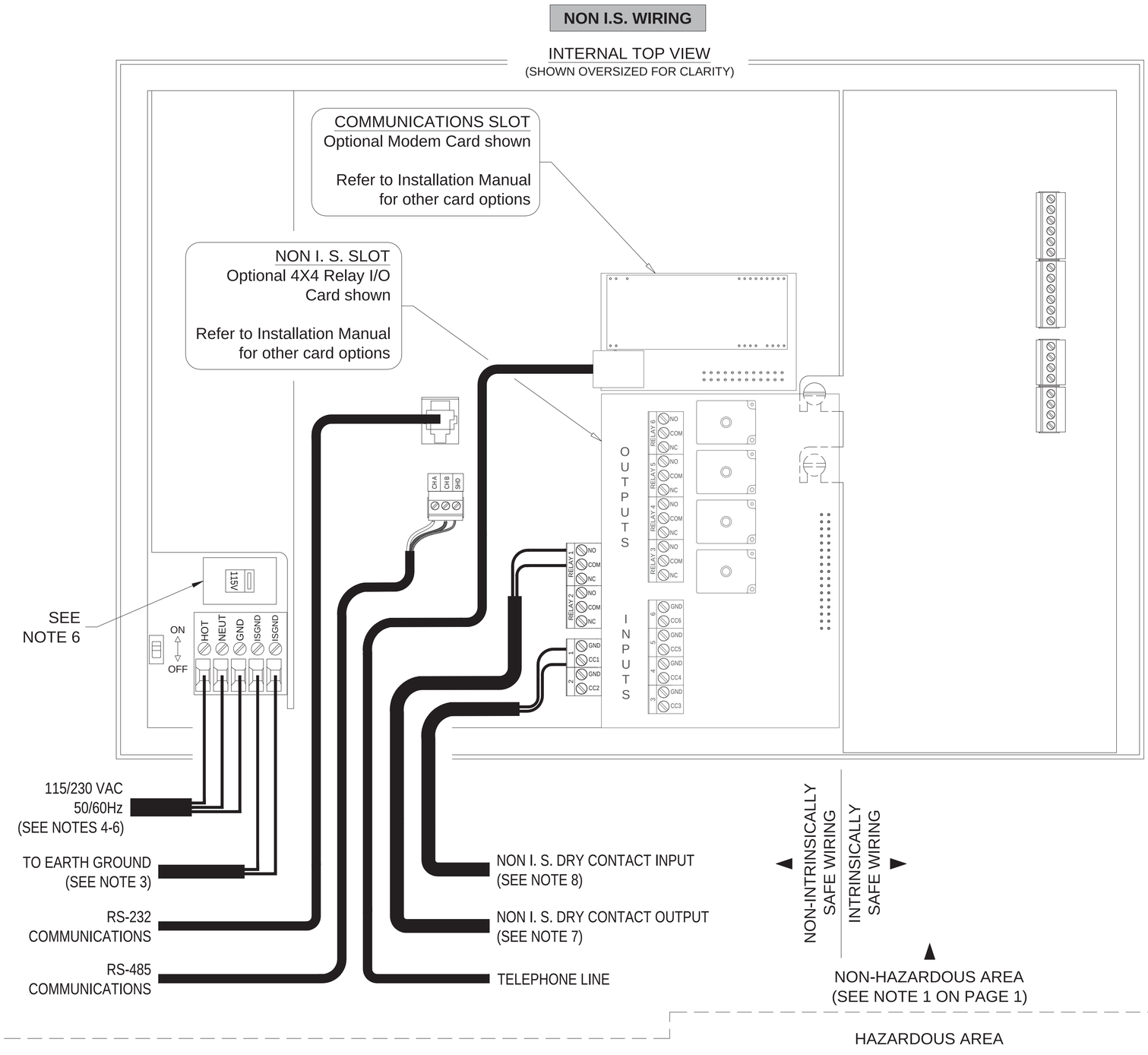
**NON I.S. WIRING**




## ⚠ IMPORTANT NOTES - READ CAREFULLY BEFORE INSTALLATION

UNLESS OTHERWISE SPECIFIED:
(NOTES 1,2, 9-11 DO NOT APPLY TO THIS PAGE)

3. WARNING: TO INSURE INTRINSIC SAFETY, A 12 AWG WIRE MUST BE CONNECTED TO EACH TERMINAL. EACH WIRE MUST THEN BE CONNECTED TO THE SYSTEM EARTH GROUND (GROUND BUSS BAR) AT THE SERVICE PANEL. THE RESISTANCE BETWEEN THE EARTH GROUND TERMINAL BLOCK AND EARTH GROUND SHALL BE LESS THAN 1 OHM.
4. CONSOLE CANNOT BE CONNECTED TO EQUIPMENT THAT USES OR GENERATES MORE THAN 250 VOLTS WITH RESPECT TO EARTH.
5. POWER TO THE TMS2000A1 CONSOLE SHOULD BE PROPERLY WIRED TO A SEPARATE DEDICATED 115/230 VAC CIRCUIT BREAKER.
6. SWITCH MUST BE SET TO 115 VAC FOR 115 VAC OPERATION AND 230 VAC FOR 230 VAC OPERATION.
7. DRY CONTACT SWITCH OUTPUT WIRING: WIRE TO COMMON AND EITHER NORMALLY OPEN OR NORMALLY CLOSED FOR DESIRED SWITCH CONTACT. OUTPUT RATED 10 AMPS AT 120 VAC, 6 AMPS AT 240 VAC (VOLTAGE MUST BE LESS THAN 120 VAC OR 240 VAC RESPECTIVELY).
8. NEC CLASS 2 CIRCUITS.