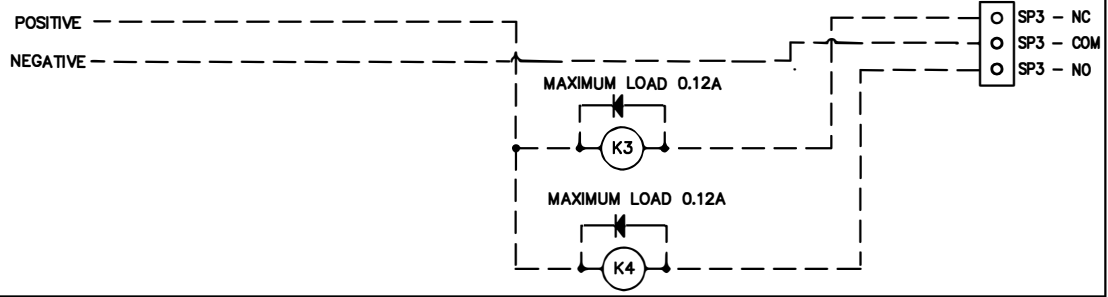


**NOTES:**

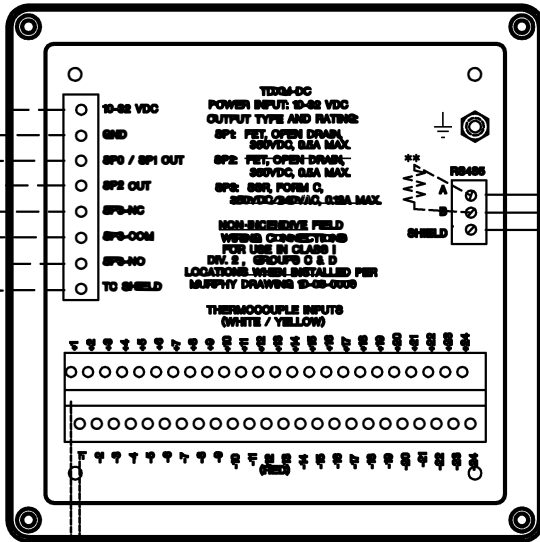
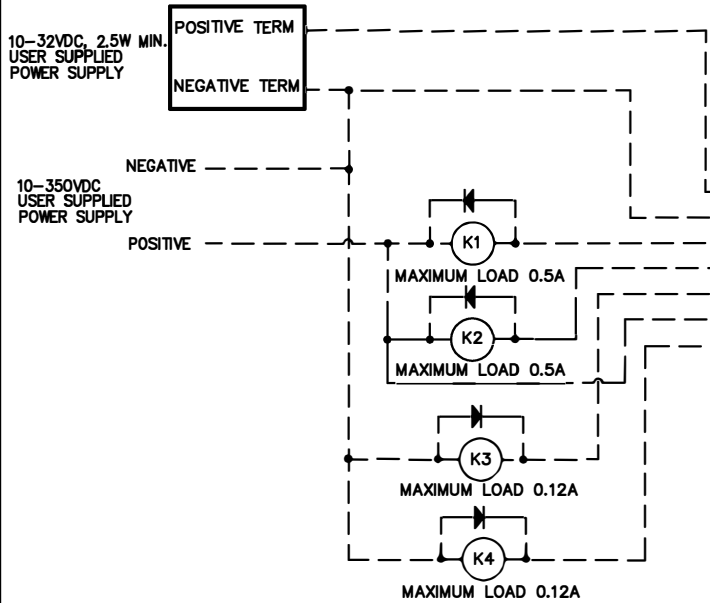
1. SHIELDED THERMOCOUPLE LEADS ARE RECOMMENDED. SHIELD DRAIN WIRE MAY BE CHASSIS GROUNDED OR CONNECTED TO "TC SHIELD" INPUT TERMINAL AS SHOWN. DRAIN WIRE MUST BE UNGROUNDED WHEN CONNECTED TO "TC SHIELD" INPUT.
2. ALWAYS ROUTE THERMOCOUPLE LEADS SEPARATE FROM ALL OTHER WIRING.
3. CUSTOMER FIELD WIRING CONNECTIONS TO BE INSTALLED IN ACCORDANCE WITH THE NEC CODE FOR CLASS I, DIV 2, GRPS C AND D HAZARDOUS LOCATIONS.
4. OPTIONAL SP3 CONNECTION. SP3 COM CONNECTED TO POWER SUPPLY NEG.

**NOTE 4**

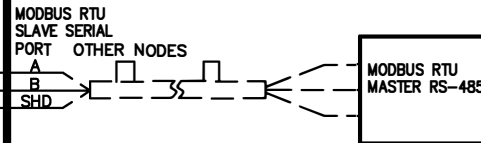


10-32VDC, 2.5W MIN.  
USER SUPPLIED  
POWER SUPPLY

10-350VDC  
USER SUPPLIED  
POWER SUPPLY



\*\* = 120 OHMS TERMINATING  
RESISTOR FOR LAST NODE



CASE GROUNDING STUD - EQUIP. GROUND

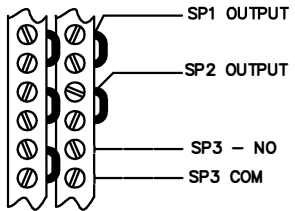
-WARNING-  
EXPLOSION HAZARD, DO NOT  
DISCONNECT WHILE CIRCUIT  
IS LIVE UNLESS AREA IS  
KNOWN TO BE  
NON-HAZARDOUS.

USE ONLY 120 OHMS CHARACTERISTIC  
CABLE SUCH AS BELDIN 9841 OR 31305  
AS SPECIFIED IN EIA RS-485 STANDARD

CONNECT SHIELD DRAIN WIRE AT ONE END ONLY

AVERTISSEMENT - RISQUE  
D'EXPLOSION. NE PAS  
DEBRANCHER TANT QUE LE  
CIRCUIT EST SOUS TENSION,  
A MOINS QU'IL NE S'AGISSE  
D'UN EMPLACEMENT NON  
DANGEREUX.

**TYPICAL WIRING CONNECTIONS  
FOR TDXM TO TTD SERIES OR  
MARK III ANNUNCIATORS.**



OUTPUTS SP1, SP2, AND SP3 CAN BE CONNECTED  
TO OPERATE RELAYS, LIGHTS, CONTROLLER INPUTS,  
ANNUNCIATOR INPUTS, OR TATTLETALE INDICATORS.

RELAYS SHOWN AS LOADS ARE TYPICAL CONNECTION  
DEPICTIONS THAT CAN BE APPLIED TO OTHER LOADS  
SUCH AS CONTROLLER OR PLC INPUTS.

SHIELD DRAIN WIRE  
(INSULATE FROM GND)  
OR GROUND DRAIN WIRE  
(DO NOT CONNECT TO "TC SHIELD")

JUNCTION BOX

HIGH TEMPERATURE  
WIRE NUTS

GROUNDED OR UNGROUNDED THERMOCOUPLES MAY BE USED.  
UNGROUNDED THERMOCOUPLES ARE HIGHLY RECOMMENDED.  
GROUNDED THERMOCOUPLES IN DEVICES WITH DIFFERENT GROUND POTENTIALS  
MAY RESULT IN ERRORS IN READINGS OUTSIDE OF SPECIFICATIONS.

NON-INCENDIVE FIELD  
WIRING TYPICAL FOR ALL  
24 THERMOCOUPLE  
INPUTS. ROUTE LEADS  
SEPARATE FROM ALL  
OTHER WIRING.