

SPECIFICATIONS:

MECHANICAL:
 WETTED MATERIALS: 316 STAINLESS STEEL
 ENCLOSURE: TYPE 360 ALUMINUM; EPOXY POWDER COATED

ELECTRICAL:
 ELECTRICAL CONNECTION:
 3 POSITION TERMINAL BLOCK, 22-14 AWG Max

SWITCH SPECS:
 POWER INPUT: 2 WIRE 24 VDC DISCRETE INPUT POWERED (12-30 VDC) @750µA
 SWITCH OUTPUT: 12 TO 30 VDC @ 40mA, 2.3 mA MIN. LOAD REQUIRED.
 SWITCH STATE MAX.: 12-30 VDC @750 µA (V. OPEN)
 4.7 VDC @40 mA (V. CLOSED)

APPROVALS:

cULus LISTED
 CLASS I, DIVISION 1, GROUPS A, B, C & D;
 CLASS II, DIVISION 1, GROUPS E, F & G; CLASS III
 CLASS I, ZONE 1, AEx d IIC T5; CLASS 1, ZONE 1, Ex d IIC T5
 Tamb = -40°C TO +85°C (-40°F TO 185°F)
 ENCLOSURE TYPE 4X; IP66

ATEX APPROVED
 II 2 G Ex d IIC T5
 II 2 D Ex tD A21 IP66 T+90C
 DEMKO 09 ATEX 0813748X
 Tamb = -40°C TO +85°C (-40°F TO 185°F)

IECEx APPROVED
 IECEx UL 08.0017
 Ex d IIC T5
 Ex tD A21 IP66 T+90C
 Tamb. = -40°C TO +85°C (-40°F TO 185°F)

| MODEL | TEMPERATURE RANGE | EXTENSION LENGTH | |
|-------|--------------------------------|------------------------------------|-----------|
| | | ft | [meter] |
| TR1 | -40 TO 450°F/ -40 TO 232°C | 6' | [1.8] |
| TRC | -40 TO 450°F/ -40 TO 232°C | UP TO 30' max. IN 1' INCREMENTS | [9.1] MAX |
| TH1 | -40 TO 1000°F/ -40 TO 538°C | 6' | [1.8] |
| THC | -40 TO 1000°F/ -40 TO 538°C | UP TO 30' max. IN 1' INCREMENTS | [9.1] MAX |
| TC1 | -300 TO 200°F/ -184 TO 93°C | 6' | [1.8] |
| TCC | -300 TO 200°F/ -184 TO 93°C | UP TO 30' max. IN 1' INCREMENTS | [9.1] MAX |

| | |
|--|------------|
| ORIGINAL DATE | 4-7-09 |
| DRWN | RAM |
| CHKD | PLW |
| APPD | R. McCAREY |
| UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ON FRACTIONS ±1/64 2 PLACE DEC 3 PLACE DEC ANGLES ±0.010 ±0.005 ±1/2° | |
| DO NOT SCALE THIS DRAWING | |

TITLE
**2X2D
 REMOTE
 TEMP.
 SWITCH**

USED ON:
 SCALE 1:1

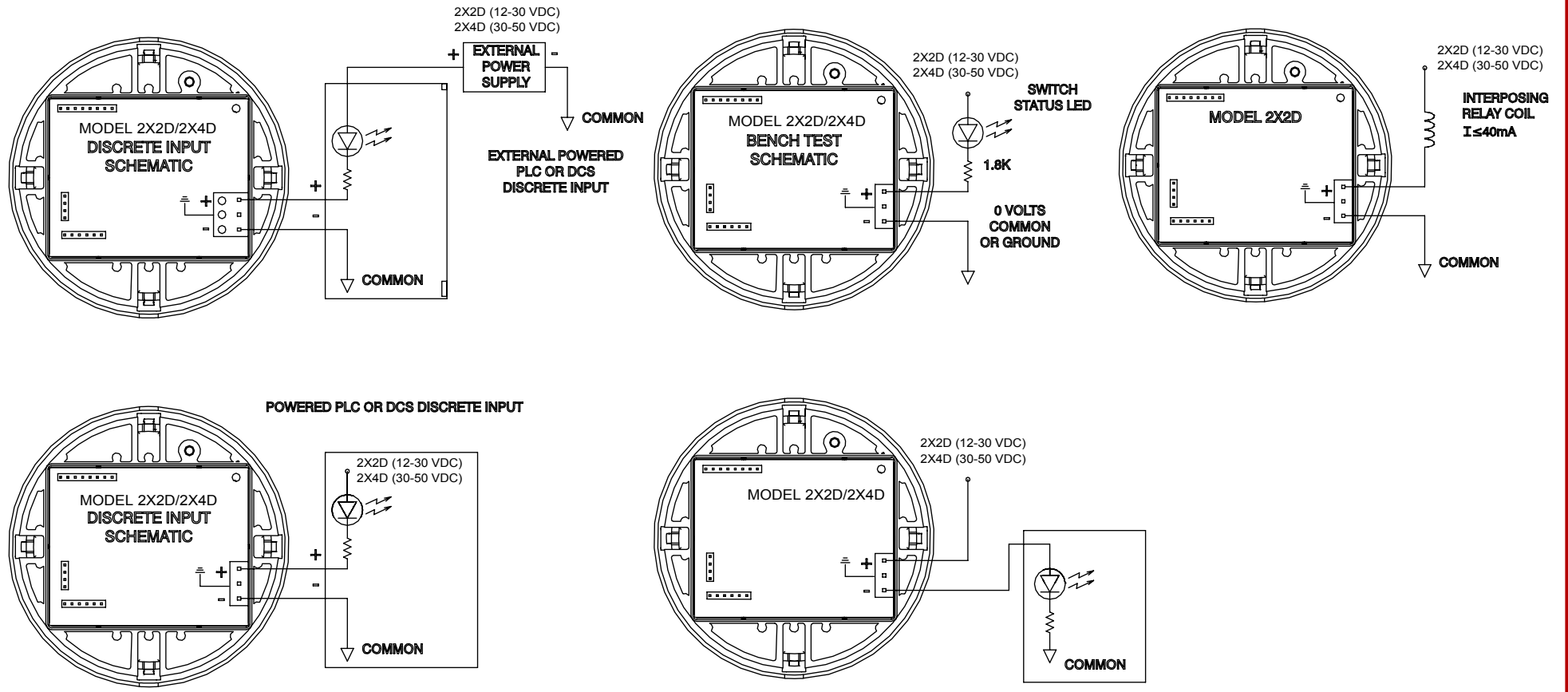
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A-13920

| REV. | DESCRIPTION | DATE | DRWN | APPD |
|------|--|---------|------|------|
| B | ADDED MODELS TC1 & TCC TO TABLE. DELETED "TRX" FROM MODEL TITLE. ECN#E3750 | 9-15-10 | SR | RAM |
| A | FIRST ISSUE. ECN#E3133 | 4-7-09 | RAM | RAM |

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RECOMMENDED WIRING SCHEMES



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| | | | | |
|------|---------------------------|---------|------|------|
| B | SEE PG. 1 OF 2. ECN#E3750 | 9-15-10 | SR | RAM |
| A | FIRST ISSUE. ECN#E3133 | 4-7-09 | RAM | RAM |
| REV. | DESCRIPTION | DATE | DRWN | APPD |

| | |
|---|--------------------|
| ORIGINAL DATE | 4-7-09 |
| DRWN | RAM |
| CHKD | PLW |
| APPD | R. McCAREY |
| UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES | |
| TOLERANCES ON FRACTIONS ±1/64 | |
| 2 PLACE DEC ±0.010 | 3 PLACE DEC ±0.005 |
| ANGLES ±1/2° | |
| DO NOT SCALE THIS DRAWING | |

| | |
|----------|--------------------------|
| TITLE | 2X2D REMOTE TEMP. SWITCH |
| USED ON: | |
| SCALE | 1:1 |

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