

A-13897

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 ID 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 ID A21 IP66 T+90C
 Tamb. = -40°C TO +85°C (-40°F TO 185°F)

| MODEL KXX | OPERATING RANGE | | MAX. OVER PRESSURE | | MAX. WORKING PRESSURE | | |
|--------------|-----------------|-----------------|--------------------|-----|-----------------------|------|-------|
| | LOW psi/bar | HIGH psi bar | psi | bar | psi | bar | |
| K10 | 0 | 5 | 0.3 | 10 | 0.7 | 50 | 3.4 |
| K11 | 0 | 50 | 3.4 | 100 | 6.9 | 500 | 34.5 |
| K12 | 0 | 100 | 6.9 | 200 | 13.8 | 1500 | 103.4 |
| K13 | 0 | 200 | 13.8 | 400 | 27.6 | 1500 | 103.4 |

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| REV. | DESCRIPTION | DATE | DRWN | APPD |
|------|---|---------|------|------|
| B | K12 & K13: MAX WORKING PRESSURE WAS 68.9 bar. ECN# E4062. | 5/31/11 | MJF | RAM |
| A | FIRST ISSUE. ECN#E3133 | 4-7-09 | RAM | RAM |

| | |
|--|--------|
| ORIGINAL DATE | 4-7-09 |
| DRWN | RAM |
| CHKD | RAM |
| APPD | RAM |
| 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 | |

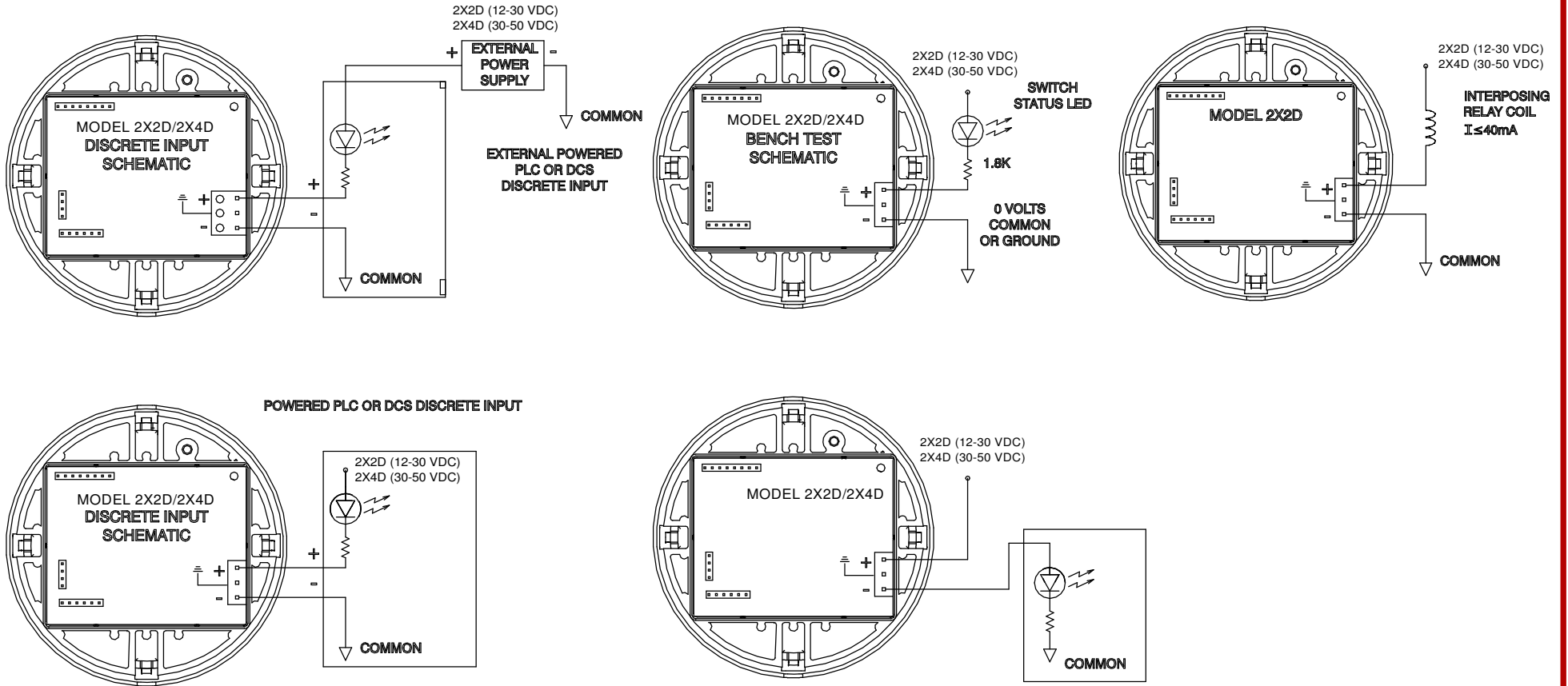
TITLE
2X2D DIFF. PRESSURE SWITCH

USED ON:
 SCALE 1:1

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RECOMMENDED WIRING SCHEMES



POWERED PLC OR DCS DISCRETE INPUT

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

| | |
|----------|----------------------------|
| TITLE | 2X2D DIFF. PRESSURE SWITCH |
| USED ON: | |
| SCALE | 1:1 |

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