

DISPLAY CAN BE ROTATED UP TO 180° BOTH DIRECTIONS

**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 T3/T5\*; CLASS 1, ZONE 1, Ex d IIC T3/T5\*  
 Tamb = -40°C TO +85°C (-40°F TO 185°F)  
 ENCLOSURE TYPE 4X; IP66

**ATEX APPROVED**  
 II 2 G Ex d IIC T3/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 T3/T5\*  
 Ex tD A21 IP66 T+90C  
 Tamb = -40°C TO +85°C (-40°F TO 185°F)

\* STRAIGHT PRESSURE SENSOR MODELS P10-P16 HAVE A TEMPERATURE CLASS OF T3. ALL OTHER MODELS HAVE A T5 TEMPERATURE CLASS.

MODEL PXX	OPERATING RANGE				MAX. OVER PRESSURE	
	LOW		HIGH		psi	bar
P06	-14.7	-1	30	2.1	60	4.1
P08	-14.7	-1	100	6.9	200	13.8
P10	0	0	5	0.3	10	0.7
P11	0	0	15	1.0	30	2.1
P12	0	0	30	2.1	60	4.1
P13	0	0	50	3.4	100	6.9
P14	0	0	100	6.9	200	13.8
P15	0	0	300	20.7	600	41.4
P16	0	0	500	34.5	1000	68.9
P17	0	0	1000	68.9	2000	137.9
P18	0	0	3000	206.8	6000	413.7
P19	0	0	4500	310.3	9000	620.6
P20	0	0	6000	413.6	12000	827.4

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

TITLE  
**2X2D GAGE PRESSURE SWITCH**

**UE**  
 UNITED ELECTRIC CONTROLS COMPANY  
 WATERTOWN \* MASSACHUSETTS

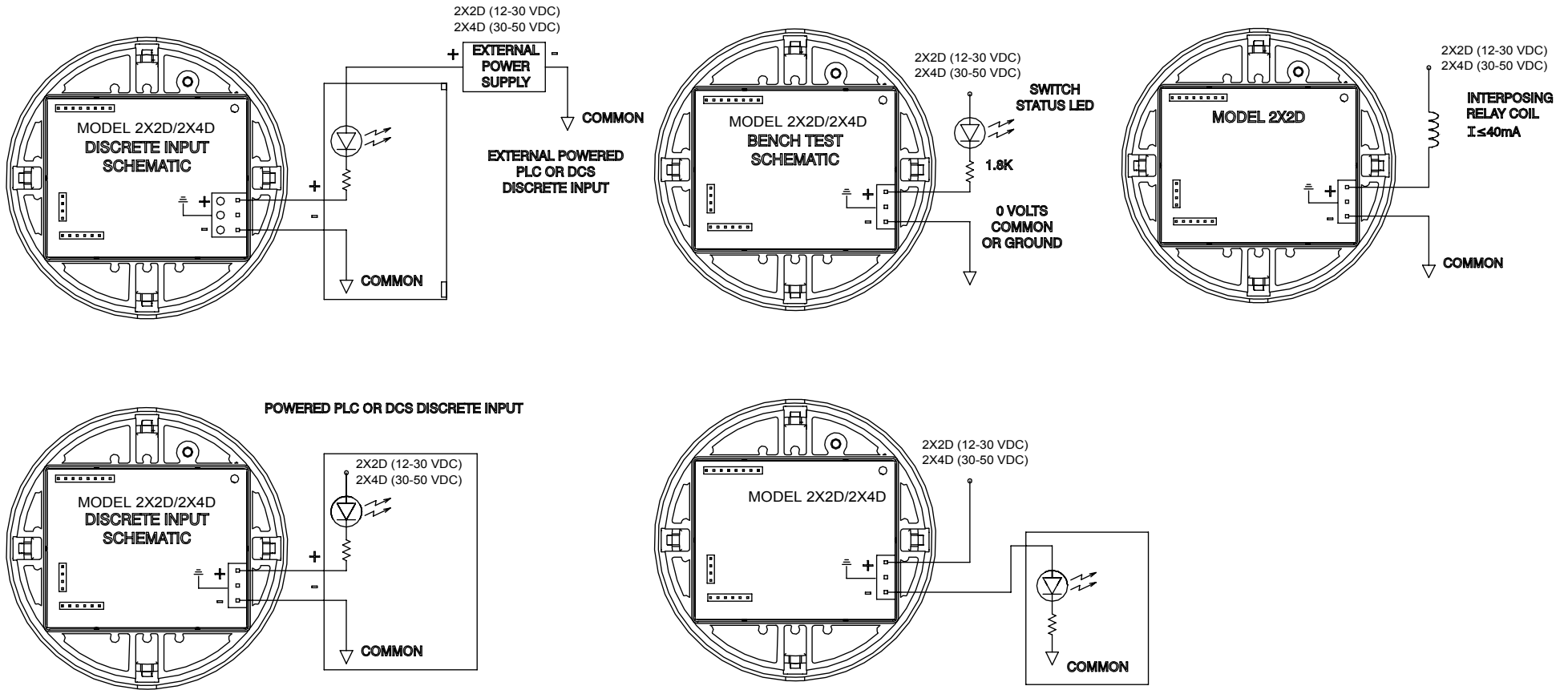
REV.	DESCRIPTION	DATE	DRWN	APPD
C	CORRECTED DIMENSIONS FOR ENCLOSURE REDESIGN. ECN# E5348	01/22/15	VIK	ASK
B	ADDED MODELS P06 & P08. ECN#E4890	8-21-13	SR	SJM
A	FIRST ISSUE. ECN#E3133	4-7-09	RAM	RAM

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

USED ON:  
 SCALE 1:1

## RECOMMENDED WIRING SCHEMES

A-13948




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REV.	DESCRIPTION	DATE	DRWN	APPD
C	SEE PAGE 1 OF 2. ECN# E5348	01/22/15	VIK	ASK
B	SEE PG. 1 OF 2. ECN#E4890	8-21-13	SR	SJM
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
±0.010	±0.005
ANGLES	±1/2°
DO NOT SCALE THIS DRAWING	

TITLE	<b>2X2D GAGE PRESSURE SWITCH</b>
USED ON:	
SCALE	1:1



**UNITED ELECTRIC CONTROLS COMPANY**  
WATERTOWN \* MASSACHUSETTS

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