

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 KXX	OPERATING RANGE			MAX. OVER PRESSURE		MAX. WORKING PRESSURE	
	LOW	HIGH		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

REV.	DESCRIPTION	DATE	DRWN	APPD
C	CORRECTED DIMENSIONS FOR ENCLASURE REDESIGN. ECN# E5348	1/22/2015	VIK	ASK
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
±0.010	±0.005
ANGLES ±1/2°	
DO NOT SCALE THIS DRAWING	

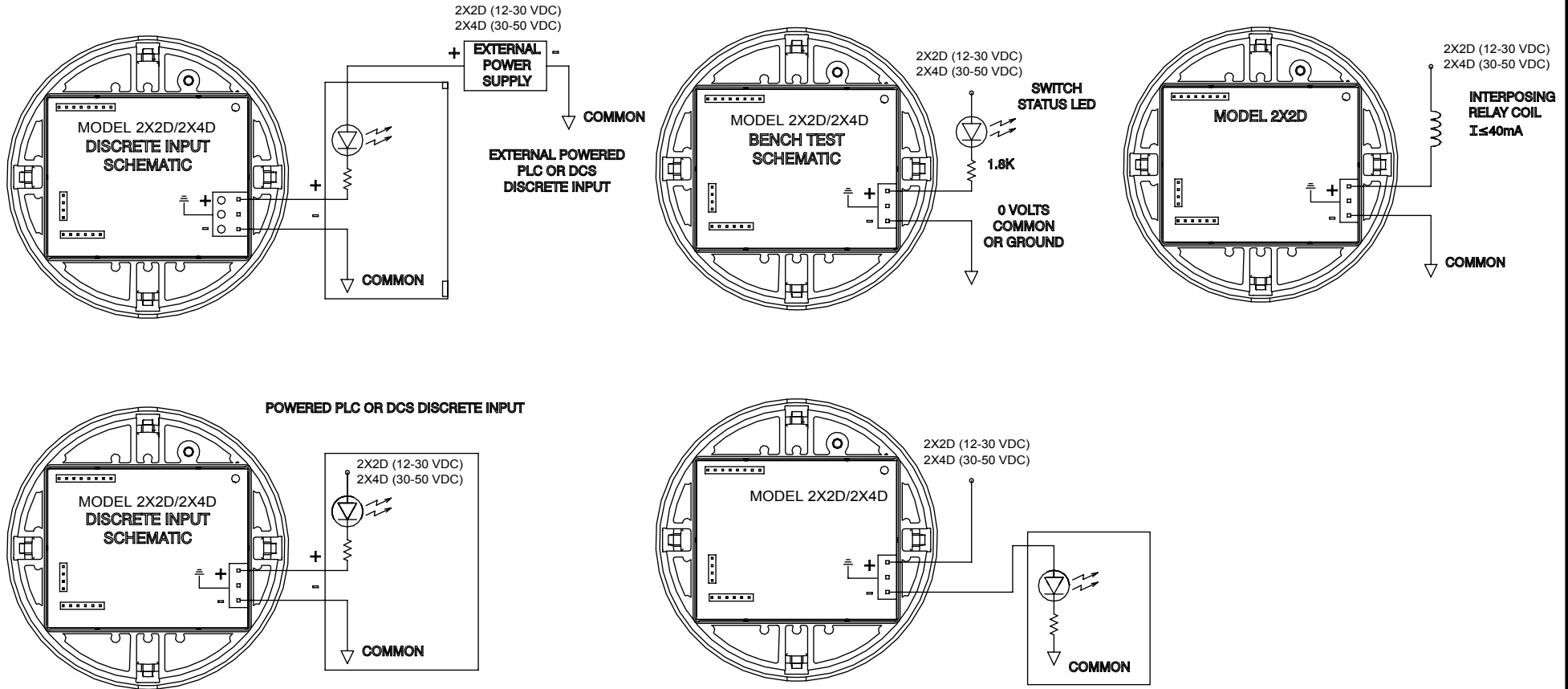
TITLE
2X2D DIFF. PRESSURE SWITCH

USED ON:
 SCALE 1:1

UNITED ELECTRIC CONTROLS COMPANY
 WATERTOWN * MASSACHUSETTS

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RECOMMENDED WIRING SCHEMES




POWERED PLC OR DCS DISCRETE INPUT

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REV.	DESCRIPTION	DATE	DRWN	APPD
C	SEE PAGE 1 OF 2. ECN# E5348	1/22/2015	VIK	ASK
B	K12 & K13: MAX WORKING PRESSURE WAS 68.9 bar. ECN# E4062.	5/31/11	MJF	RAM
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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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