

**SPECIFICATIONS:**

**MECHANICAL:**  
 WETTED MATERIALS: USER SUPPLIED  
 ENCLOSURE: TYPE 360 ALUMINUM; EPOXY POWDER COATED

**SENSOR REQUIREMENT:**  
 USER-SUPPLIED SENSOR FOR EXPLOSION-PROOF MODELS ONLY MUST BE 4-WIRE RTD, 100 Ω PLATINUM, DIN 0.00385

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

**SWITCH SPECS:**  
 POWER INPUT: 2 WIRE 48 VDC DISCRETE INPUT POWERED (30-50 VDC) @ 750µA  
 SWITCH OUTPUT: 30 TO 50 VDC @ 40mA, 2.0mA MIN. LOAD REQUIRED  
 SWITCH STATE MAX : 30-50 VDC @ 1mA (V. OPEN)  
 5.0VDC @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 TUX	TEMPERATURE RANGE	
	°F	°C
TU1	-300 TO 200	-184 TO 93
TU2	-40 TO 450	-40 TO 232
TU3	-40 TO 1000	-40 TO 538

ORIGINAL DATE	4-7-09
DRWN	RAM
CHKD	RAM
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  
**2X4D USER TEMP. SWITCH**

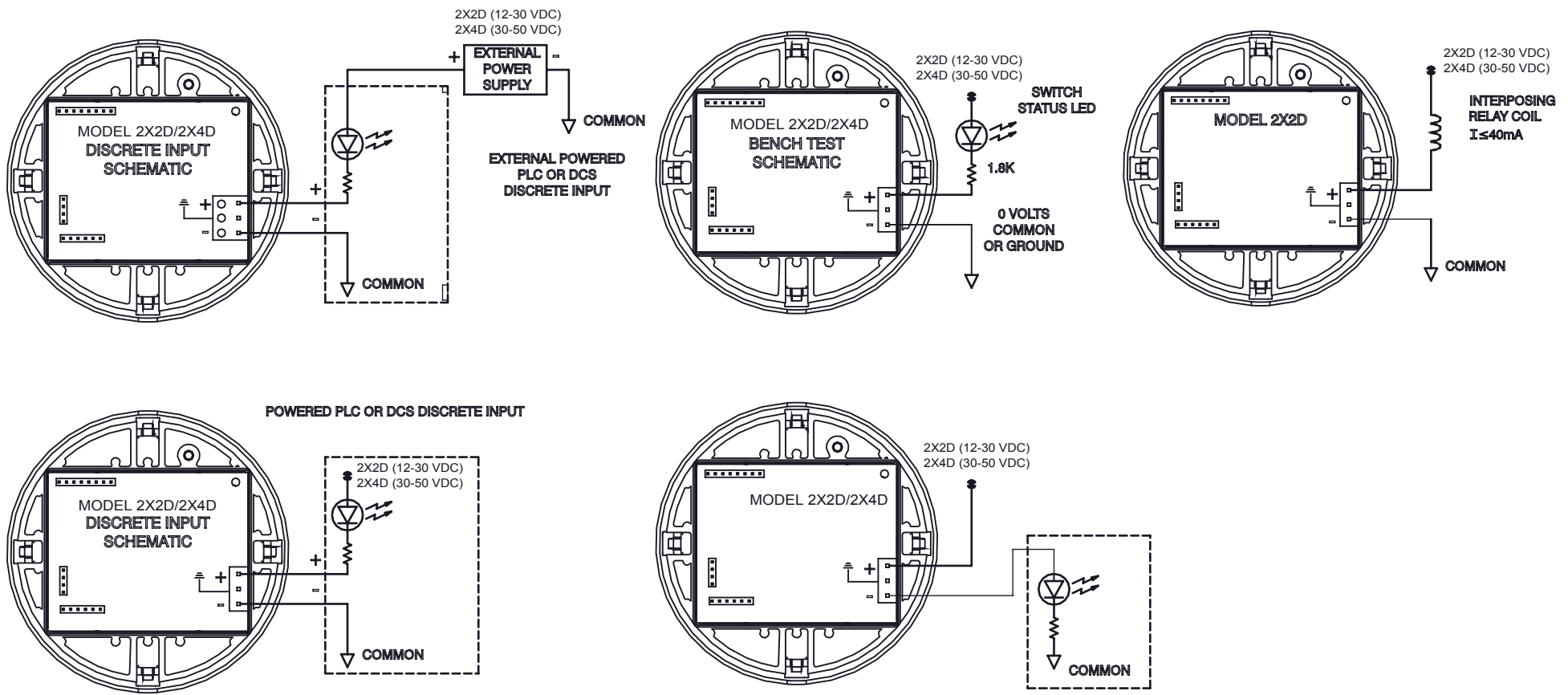
USED ON:  
 SCALE 1:1

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

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	REV.	DESCRIPTION	DATE	DRWN	APPD

## RECOMMENDED WIRING SCHEMES



ORIGINAL DATE	4-7-09
DRWN	RAM
CHKD	RAM
APPD	R. McCAREY
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>2X4D USER TEMP. SWITCH</b>
USED ON:	
SCALE	1:1



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