

**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 120 V DISCRETE INPUT POWERED (90-130 VAC/VDC) @ 1mA  
SWITCH OUTPUT: 90 TO 130 VAC/VDC @ 0.1A, 3.75mA MIN. LOAD REQUIRED  
SWITCH STATE MAX : 90-130 VAC/VDC @ 1mA (V. OPEN)  
13 VAC/VDC @ 100mA (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 d 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	TEMPERATURE RANGE	EXTENSION LENGTH	
		ft	[meter]
TR1	-40 TO 450°F/ -40 TO 232°C	6'	[1.8]
TH1	-40 TO 1000°F/ -40 TO 538°C	6'	[1.8]
TC1	-300 TO 200°F/ -184 TO 93°	6'	[1.8]

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REV.	DESCRIPTION	DATE	DRWN	APPD
B	DELETED MODELS: "TRC" (-40 TO 450°F / -40 TO 232°C) & "THC" (-40 TO 1000°F / -40 TO 538°C), BOTH MODELS HAD EXTENSION LGTH: UP TO 30' max. IN 1' INCREMENTS. DELETED "TRX" FROM MODEL TITLE. SEE ALSO PG. 2 OF 2. ECN#E3750	9-15-10	SR	RAM
A	FIRST ISSUE. ECN#E3133	4-7-09	RAM	RAM

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
±0.010	±0.005
ANGLES ±1/2°	
DO NOT SCALE THIS DRAWING	

TITLE

**2X3A  
REMOTE  
TEMP.  
SWITCH**

USED ON:

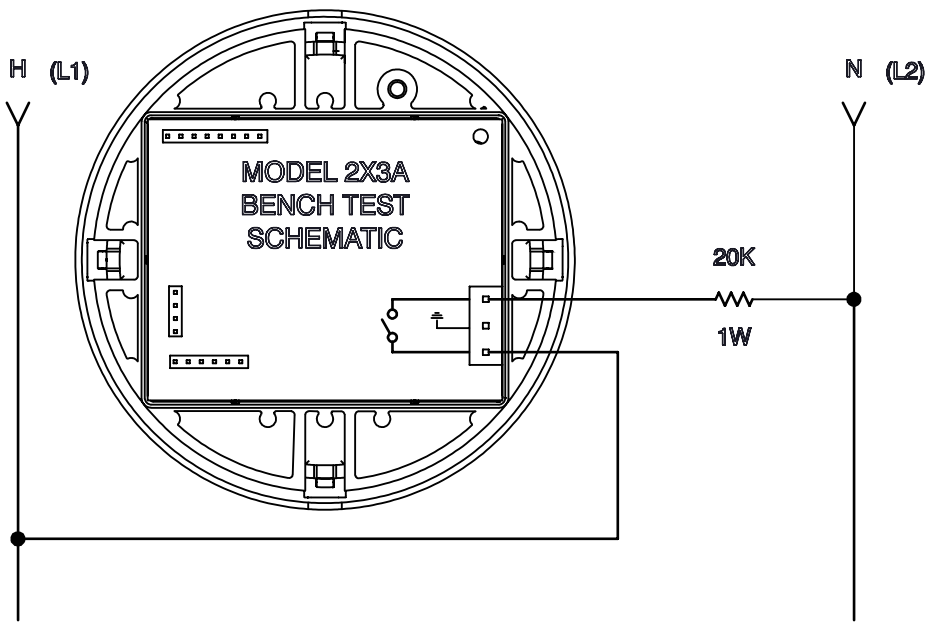
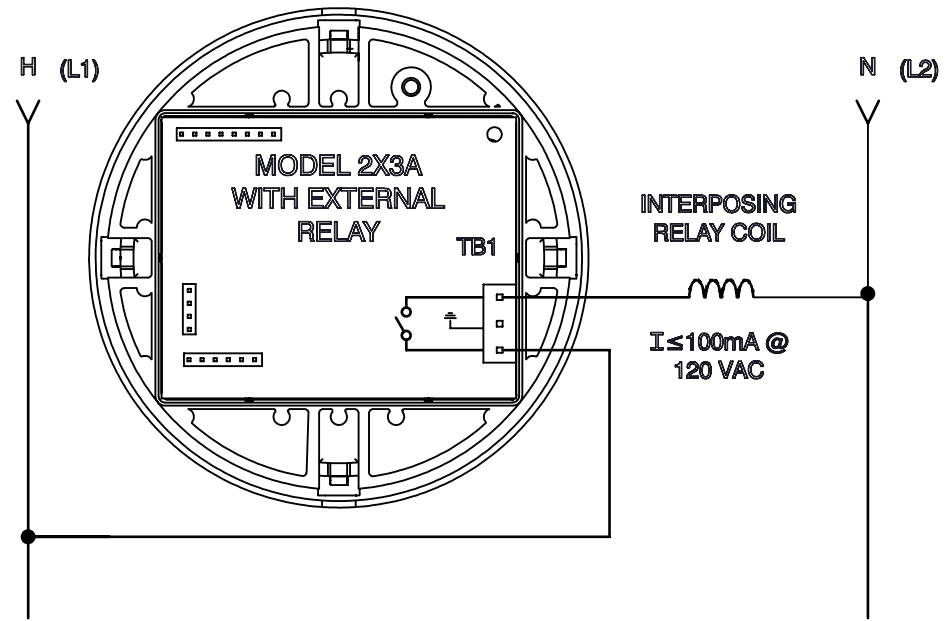
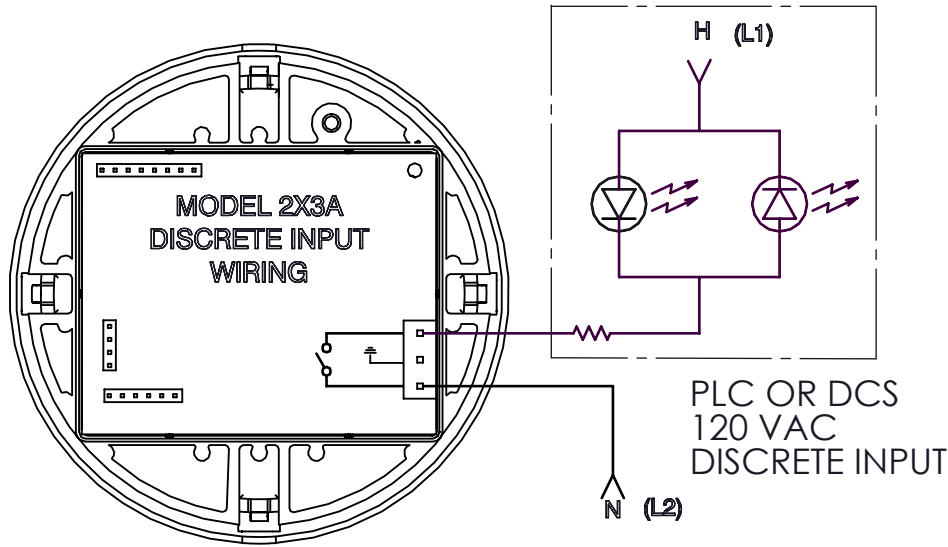
SCALE 1:1

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WATERTOWN \* MASSACHUSETTS

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RECOMMENDED WIRING SCHEMES



**WARNING: AGENCY CRITICAL DOCUMENT. NO REVISIONS WITHOUT CERTIFICATION ENGINEER APPROVAL**

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
±0.010	±0.005
ANGLES	±1/2°
DO NOT SCALE THIS DRAWING	

TITLE

**2X3A  
REMOTE  
TEMP.  
SWITCH**

USED ON:

SCALE 1:1

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REV.	DESCRIPTION	DATE	DRWN	APPD
B	REVISED "PLC OR DCS" WIRING DIAGRAM TO BE VISIBLE IN PDF FILE. SEE ALSO PG 1 OF 2. ECN#E3750	9-15-10	SR	RAM
A	FIRST ISSUE. ECN#E3133	4-7-09	RAM	RAM

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