

SPECIFICATIONS:

(SPECIFICATIONS AT 25°C (77°F) AND NOMINAL VOLTAGE UNLESS OTHERWISE NOTED).

MECHANICAL:

WETTED MATERIALS: 316 STAINLESS STEEL
ENCLOSURE: TYPE 360 ALUMINUM; EPOXY POWDER COATED

ELECTRICAL:

ELECTRICAL CONNECTIONS:
POWER SUPPLY: 3 POSITION TERMINAL BLOCK, 22-14 AWG WIRE
4-20 mA LOOP: 6 POSITION TERMINAL BLOCK, 26-16 AWG WIRE
SWITCH OUTPUTS: 4 POSITION TERMINAL BLOCK, 20-10 AWG WIRE

SWITCH SPECS:
POWER INPUT: 8 WIRE 24 VDC EXTERNAL POWER SUPPLY (10-30 VDC) @ 30mA
SWITCH OUTPUT RATINGS:
8X2D42 SW1: 75-250 VAC, 1.5 A MAX. CONT., DERATE 10% PER 10°C ABOVE 21°C
SW2: 75-250 VAC, 1.5 A MAX. CONT., DERATE 10% PER 10°C ABOVE 21°C
8X2D44 SW1: 75-250 VAC, 1.5 A MAX. CONT., DERATE 10% PER 10°C ABOVE 21°C
SW2: 140 VAC/DC, 0.6 A MAX. CONT., DERATE 8% PER 10°C ABOVE 21°C
8X2D45 SW1: 140 VAC/DC, 0.6 A MAX. CONT., DERATE 8% PER 10°C ABOVE 21°C
SW2: 140 VAC/DC, 0.6 A MAX. CONT., DERATE 8% PER 10°C ABOVE 21°C

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 +80°C (-40°F TO 176°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 +80°C (-40°F TO 176°F)

IECEx approved
IECEx UL 08.0017
Ex d IIC T5
Ex Id A21 IP66 T+90C
Tamb = -40°C TO +80°C (-40°F TO 176°F)

MODEL	TEMPERATURE RANGE	EXTENSION LENGTH	
		ft	[meter]
TR1	-40 TO 450°F/ -40 TO 232°C	6'	[1.8]
TRC	-40 TO 450°F/ -40 TO 232°C	UP TO 30' max. IN 1' INCREMENTS	[9.1] MAX
TH1	-40 TO 1000°F/ -40 TO 538°C	6'	[1.8]
THC	-40 TO 1000°F/ -40 TO 538°C	UP TO 30' max. IN 1' INCREMENTS	[9.1] MAX
TC1	-300 TO 200°F/ -184 TO 93°C	6'	[1.8]
TCC	-300 TO 200°F/ -184 TO 93°C	UP TO 30' max. IN 1' INCREMENTS	[9.1] MAX

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REV.	DESCRIPTION	DATE	DRWN	APPD
B	ADDED MODELS TC1 & TCC TO TABLE. DELETED "TRX" FROM MODEL TITLE. 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

**8X2D
REMOTE
TEMP.
SWITCH**

USED ON:

SCALE 1:1

UE

UNITED ELECTRIC
CONTROLS COMPANY

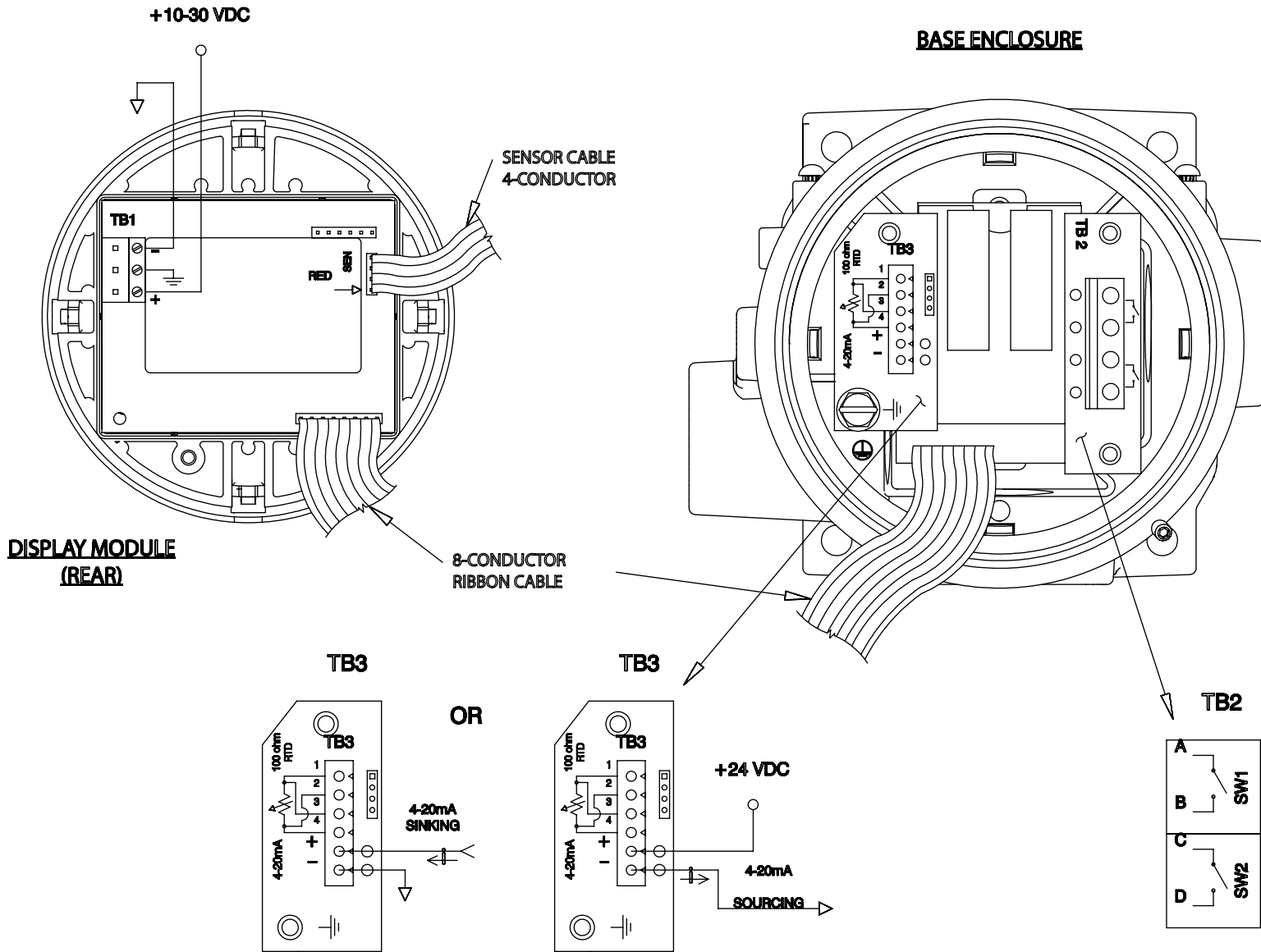
WATERTOWN * MASSACHUSETTS

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RECOMMENDED WIRING SCHEME

A-13946



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

TITLE	8X2D REMOTE TEMP. SWITCH
USED ON:	
SCALE	1:1

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WATERTOWN * MASSACHUSETTS

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REV.	DESCRIPTION	DATE	DRWN	APPD
B	SEE 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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