

DISPLAY CAN BE ROTATED UP TO 180° BOTH DIRECTIONS

A-13943

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 I, 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 d 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 d A21 IP66 T+90C
Tamb = -40 °C TO +80 °C (-40 °F TO 176 °F)

MODEL XXX	OPERATING RANGE			MAX. OVER PRESSURE		MAX. WORKING PRESSURE	
	LOW psi/bar	HIGH psi	bar	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

THIS DOCUMENT IS PROPRIETARY PROPERTY OF UNITED ELECTRIC CONTROLS. UNAUTHORIZED USE IS STRICTLY PROHIBITED.

REV.	DESCRIPTION	DATE	DRWN	APPD
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	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 DIFF. PRESSURE SWITCH

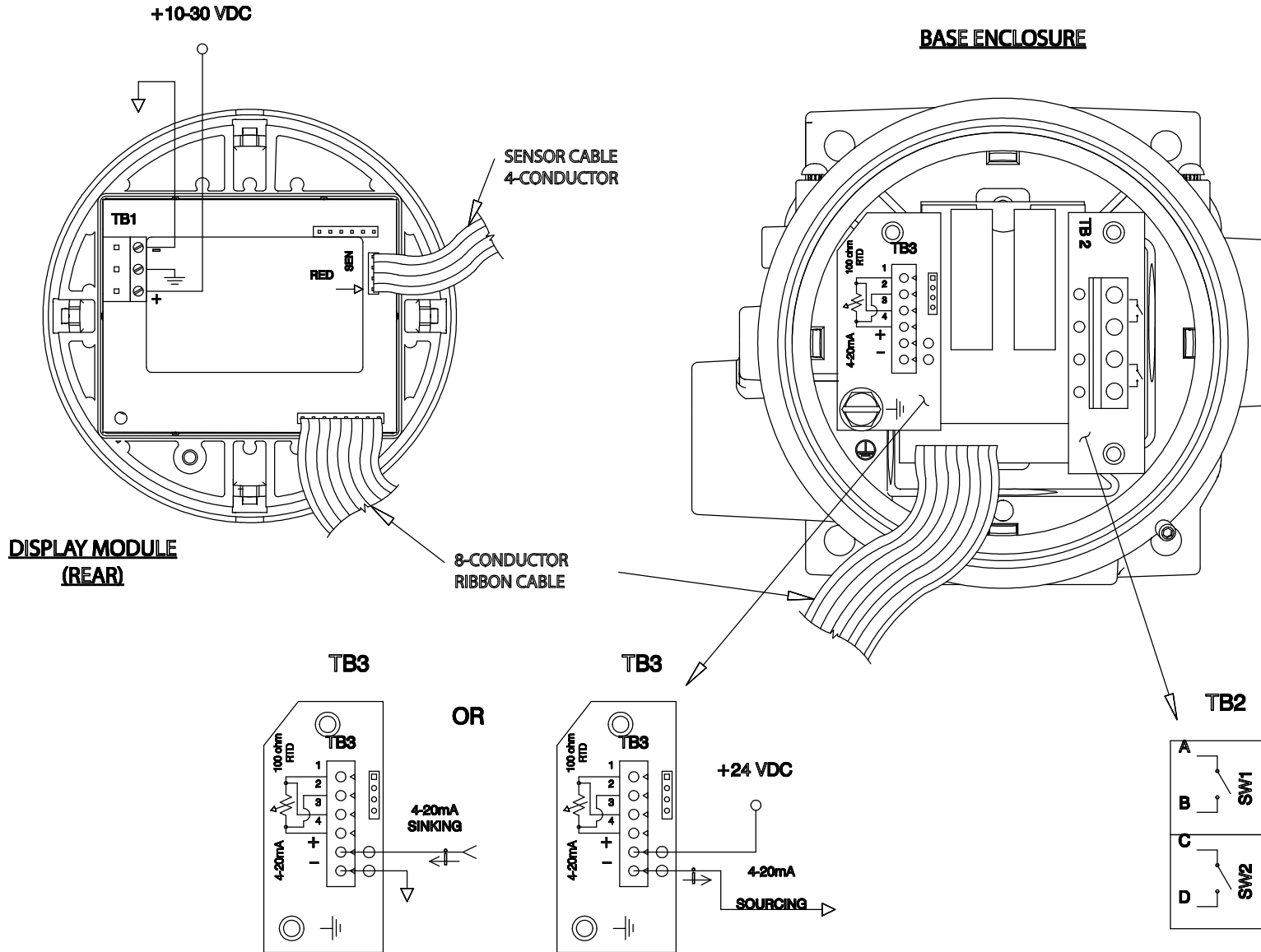
USED ON:
SCALE 1:1

UNITED ELECTRIC CONTROLS COMPANY
WATERTOWN * MASSACHUSETTS

DWG NO Page 1 of 2
A-13943

RECOMMENDED WIRING SCHEME

A-13943



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 DIFF. PRESSURE SWITCH
USED ON:	
SCALE	1:1



UNITED ELECTRIC CONTROLS COMPANY
WATERTOWN • MASSACHUSETTS

DWG NO Page 2 of 2

A-13943

REV.	DESCRIPTION	DATE	DRWN	APPD
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

THIS DOCUMENT IS PROPRIETARY PROPERTY OF UNITED ELECTRIC CONTROLS. UNAUTHORIZED USE IS STRICTLY PROHIBITED.