

SPECIFICATIONS:

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

MECHANICAL:

WETTED MATERIALS: PROCESS CONNECTION - 316 st/st
 WEIGHT: 1.58 LBS. (0.71 kg)
 ENCLOSURE: TYPE 380 ALUMINUM; EPOXY POWDER COATED

ELECTRICAL:

ELECTRICAL CONNECTION:
 4 POSITION TERMINAL BLOCK

SWITCH SPECS:

90 TO 130 VAC, 10A AT T_{amb.} 38°C (100°F)
 DERATE AT 1.8A PER 10°C (18°F)

OPERATING:

OVERALL ACCURACY:

±1% OF MAX. OPERATING RANGE VALUE

SET POINT REPEATABILITY:

±0.2% OF MAX. OPERATING RANGE VALUE

LONG TERM STABILITY:

±0.25 OF RANGE PER YEAR, MAX.

AMBIENT TEMPERATURE:

OPERATING: -40°C TO 70°C (-40°F TO 158°F)

LCD VISIBILITY TEMP: -12°C TO 70°C (10°F TO 158°F)

STORAGE: -40°C TO 85°C (-40°F TO 185°F)

MEDIA TEMPERATURE:

-40°C TO 125°C (-40°F TO 257°F)

APPROVALS:

NONINCENDIVE APPLICATIONS:

UL LISTED, cUL CERTIFIED

CLASS I, DIVISION 2, GROUPS A, B, C & D;

CLASS II, DIVISION 2, GROUPS F & G;

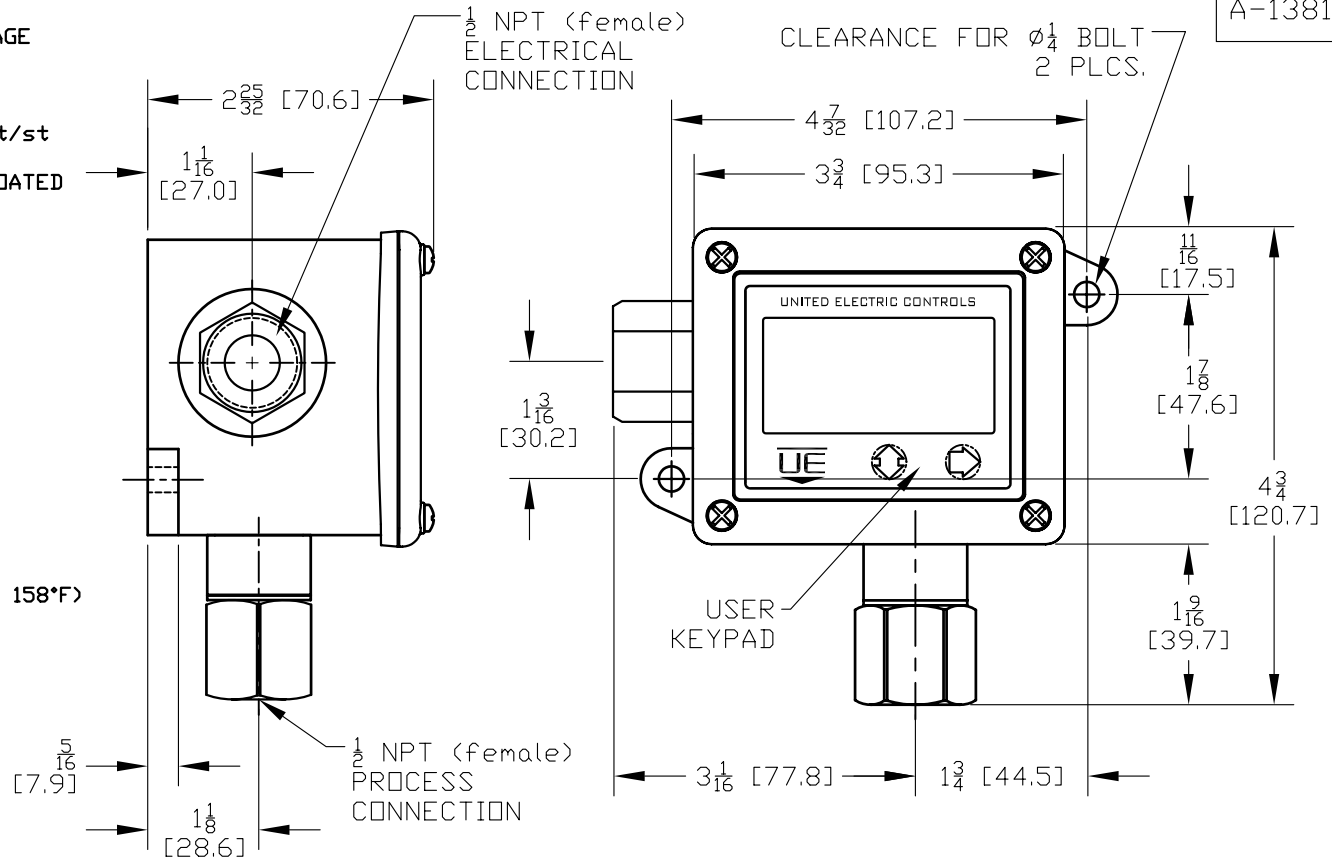
CLASS III;

CLASS I, ZONE 2 AEx nC IIC T4A;

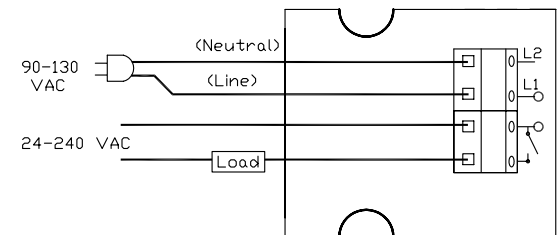
CLASS I, ZONE 2 Ex nC IIC T4A;

T_{amb.} = -40°C TO +70°C (-40°F TO 158°F)

ENCLOSURE TYPE 4X



TERMINAL WIRING



FOUR WIRE CONFIGURATION USING ISOLATED (POTENTIAL FREE) SWITCH CONTACTS

MODEL Pxx	OPERATING RANGE		MAX. OVER PRESSURE		BURST PRESSURE		
	LOW psi	HIGH bar	psi	bar	psi	bar	
P10	0	5	0,3	10	0,7	20	1,4
P11	0	15	1,0	30	2,1	60	4,1
P12	0	30	2,1	60	4,1	120	8,3
P13	0	50	3,4	100	6,9	200	13,8
P14	0	100	6,9	200	13,8	400	27,6
P15	0	300	20,7	600	41,4	1200	82,7
P16	0	500	34,5	1000	68,9	2000	137,9
P17	0	1000	68,9	2000	137,9	4000	275,8
P18	0	3000	206,8	6000	413,7	12000	827,4
P19	0	4500	310,3	9000	620,6	18000	1241,1

AGENCY CRITICAL COMPONENT, NO SUBSTITUTIONS ALLOWED WITHOUT UEC ENGINEERING APPROVAL.

SYM	DESCRIPTION	DATE	DWN	APPD
C	REVISED TITLE BLOCK INFO. ECN#E2723	6-2-08	SR	LK
B	TERMINAL WIRING WAS IN CHART FORM. APPROVALS, T4A WAS T5. ECN# E0878	7/29/04	PLW	D.W.
A	FIRST ISSUE. ECN# E0809	5/27/04	PLW	D.W.

REVISIONS

ORIGINAL DATE	5/27/04
DRWN	PLW
CHKD	A.B.
APPD	D.W.
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES	
DO NOT SCALE THIS DRAWING	

TITLE
 ONE SERIES
 4W3A01Pxx
 PRESSURE
 SINGLE SWITCH

DF001D

UNITED ELECTRIC CONTROLS COMPANY
 WATERTOWN * MASSACHUSETTS

DWG NO
 A-13817