

**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 Tamb. 38°C (100°F)  
 DERATE AT 1.8A PER 10°C (18°F)  
 150 mA MINIMUM LOAD REQUIRED

**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)

COMPENSATED TEMPERATURE RANGE:

0°C TO 70°C (32°F TO 158°F)

THERMAL OFFSET: ±0.5%

THERMAL SENSITIVITY: ±0.75%

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;

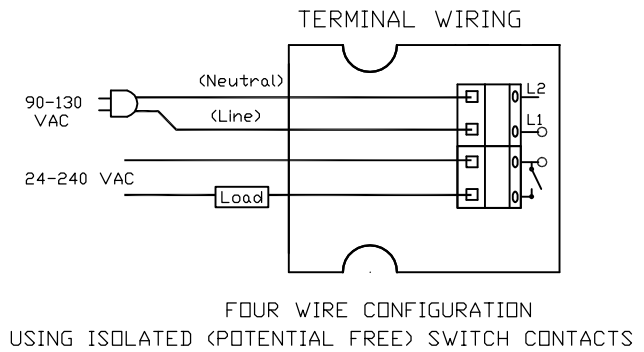
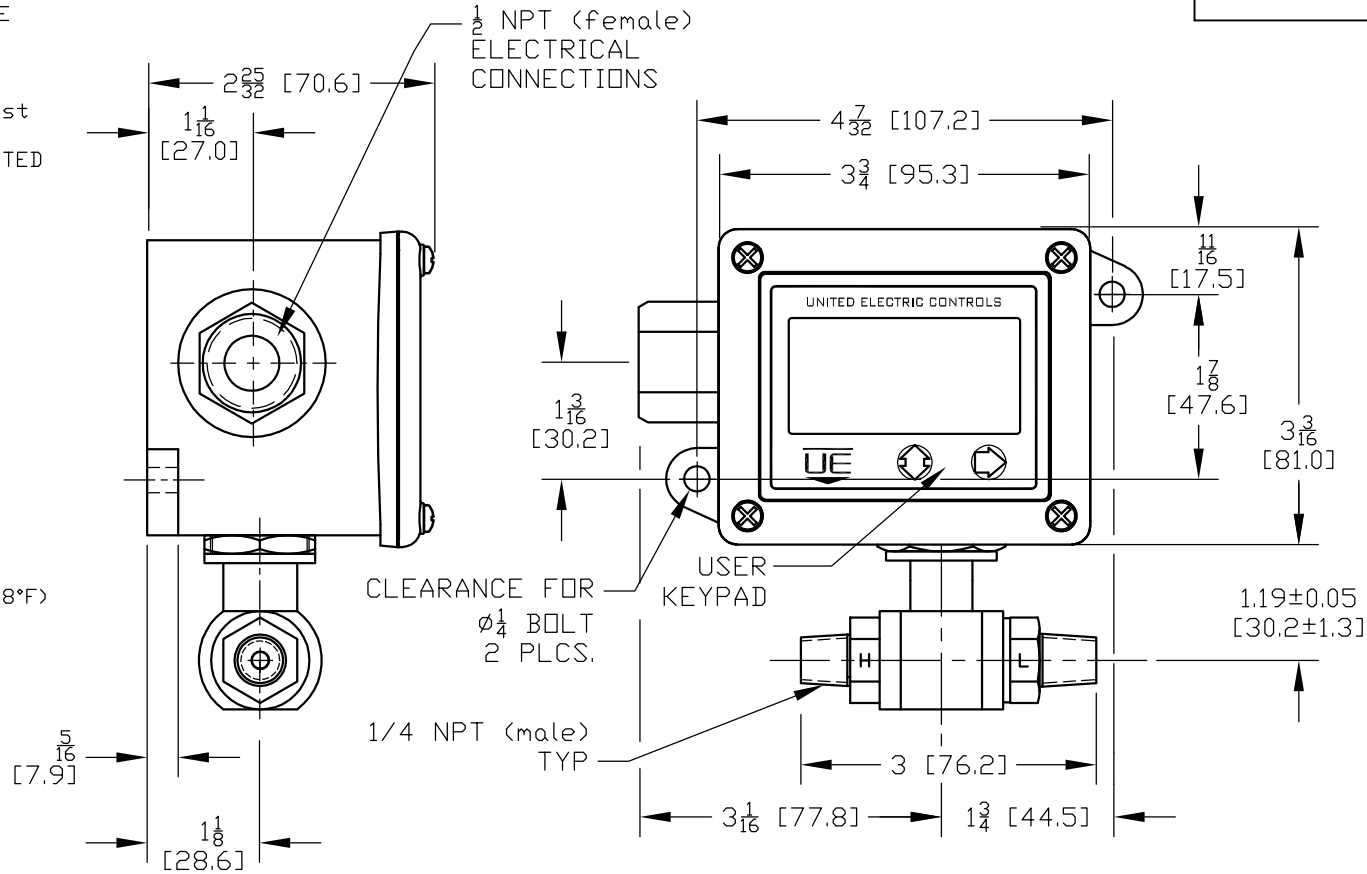
CLASS I, ZONE 2 Ex nC IIC T4A;

Tamb.=-40°C TO +70°C (-40°F TO 158°F)

ENCLOSURE TYPE 4X

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

MODEL Kxx	OPERATING RANGE		MAX. OVER PRESSURE	MAX. WORKING PRESSURE
	LOW psi/bar	HIGH psi bar		
K10	0	5	0,3	10 0,7
K11	0	50	3,4	100 6,9
K12	0	100	6,9	200 13,8
K13	0	200	13,8	400 27,6



SYM	DESCRIPTION	DATE	DWN	APPD
E	ADDED '150 mA MINIMUM LOAD REQUIRED' TO SWITCH SPEC. ECN# E4360	2/21/12	MJF	DW
D	K12 & K13: MAX WORKING PRESSURE WAS 1000 psi/69,0 bar. ECN# E4062.	5/31/11	MJF	RAM
C	REVISED TITLE BLOCK INFO. ECN#E2723	6-2-08	SR	LK
B	REDRAWN, 3" DIM. WAS 3-17/32 & 1.19 WAS 15/16. ADDED THERMAL OFFSET & THERMAL SENSITIVITY. ECN# E2475	10/10/07	PLW	D.W.
A	FIRST ISSUE. ECN#E1246	5-27-05	SR	HN

ORIGINAL DATE	5-27-05
DRWN	S. ROBAK
CHKD	AB
APPD	HN
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  
**ONE SERIES  
 4W3A01Kxx  
 DIFFERENTIAL  
 PRESSURE  
 SINGLE SWITCH**

DF001D  
  
 UNITED ELECTRIC  
 CONTROLS COMPANY  
 WATERTOWN \* MASSACHUSETTS  
 DWG NO  
**A-13841**

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