

**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)

**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.

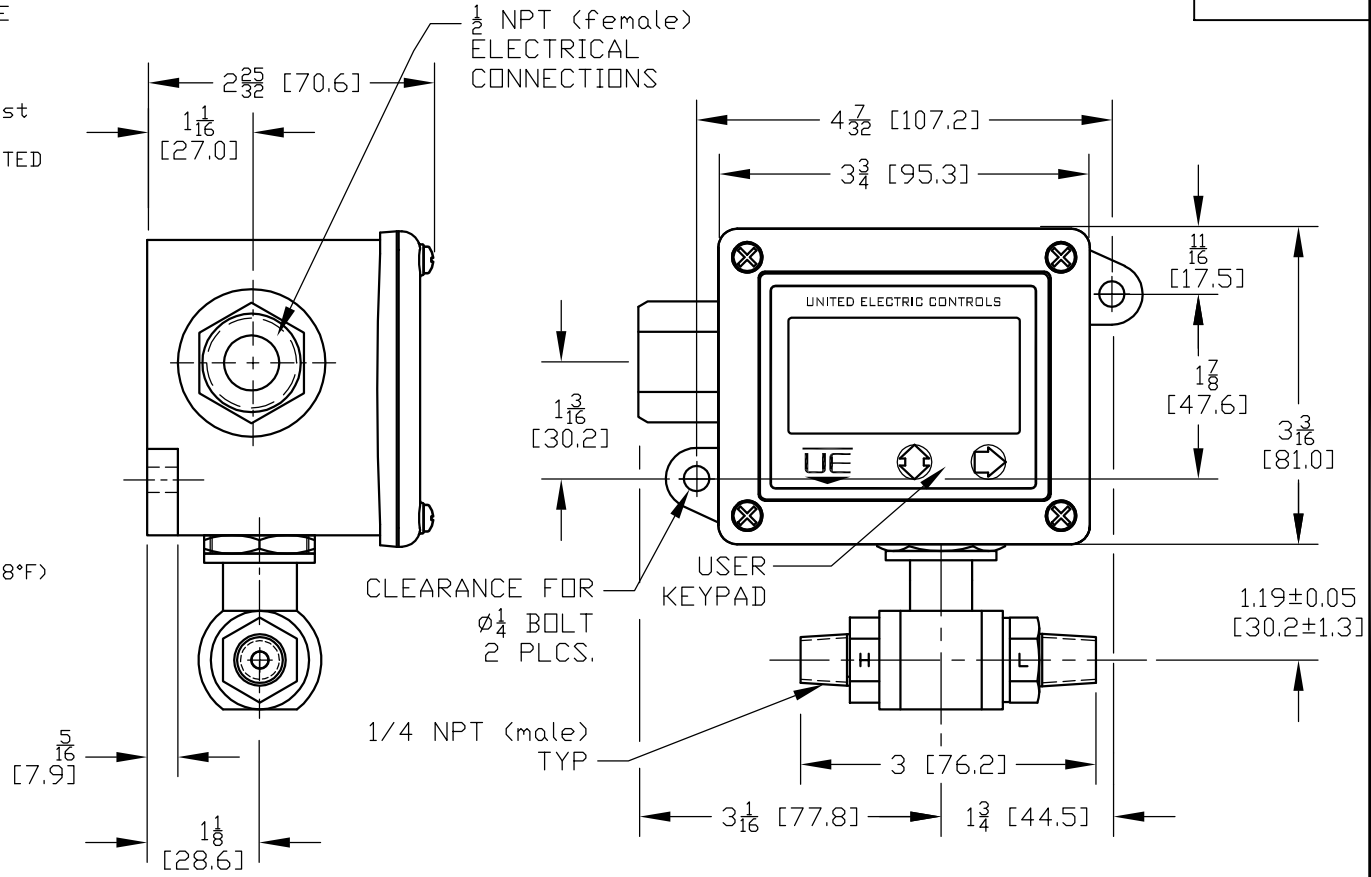
**AMBIENT TEMPERATURE:**

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)

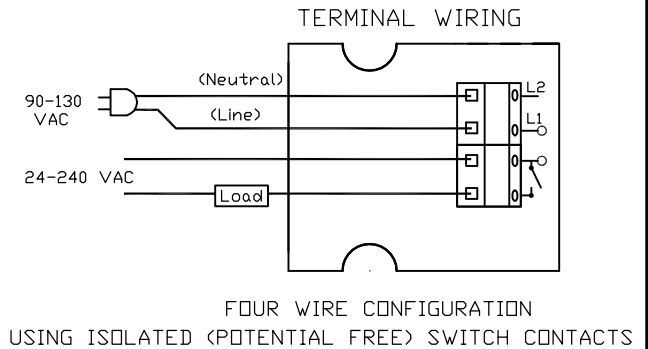
**APPROVALS:**

**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



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



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

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SYM	DESCRIPTION	DATE	DWN	APPD
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
SCALE	1:2

DF001D

UNITED ELECTRIC CONTROLS COMPANY  
 WATERTOWN \* MASSACHUSETTS

DWG NO  
**A-13841**