

**SPECIFICATIONS:**

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

**MECHANICAL:**

WETTED MATERIALS: PROCESS CONNECTION - 316 st/st  
 WEIGHT: 1.40 LBS. (0.63 kg)  
 ENCLOSURE: TYPE 380 ALUMINUM; EPOXY POWDER COATED;  
 SHALL NOT CONTAIN, BY MASS MORE THAN 6% OF MAGNESIUM.

**ELECTRICAL:**

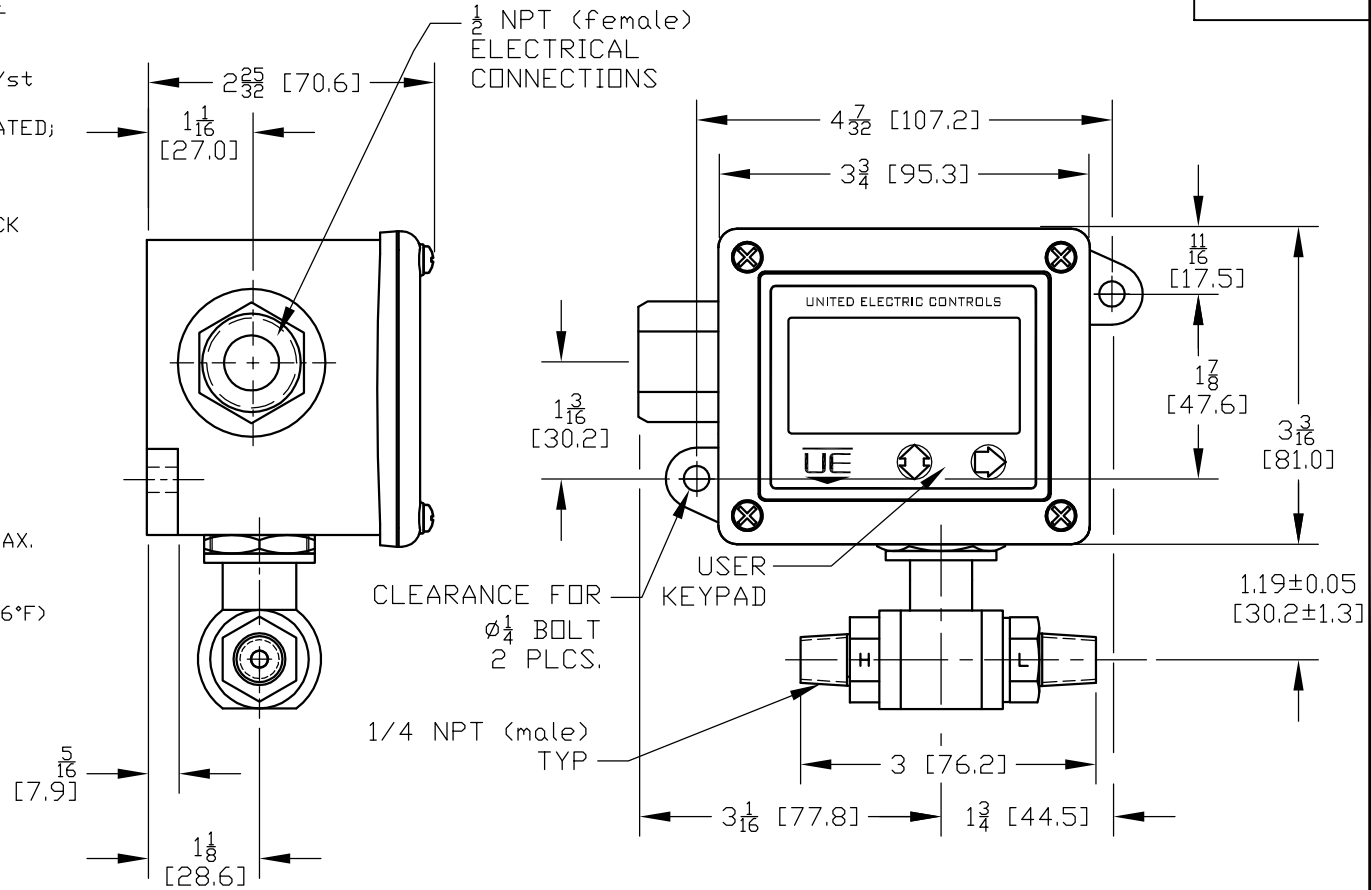
ELECTRICAL CONNECTION: 3 POSITION TERMINAL BLOCK  
 SWITCH SPECS:  
 OFF (OPEN): 30 TO 56 VDC @ 1.0mA MAX.  
 ON (CLOSED): 5.0 VDC @ 40mA MAX.

**SWITCH PROTECTION:**

SHORT CIRCUIT  
 REVERSE POLARITY  
 OVER-VOLTAGE 56 VDC

**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 85°C (-40°F TO 185°F)  
 LCD VISIBILITY TEMP: -12°C TO 80°C (10°F TO 176°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)



| MODEL<br>Kxx | OPERATING RANGE |             |      | MAX. OVER PRESSURE |      | MAX. WORKING PRESSURE |       |
|--------------|-----------------|-------------|------|--------------------|------|-----------------------|-------|
|              | LOW<br>psi/bar  | HIGH<br>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 |

| TERMINAL BLOCK       |          |
|----------------------|----------|
| FUNCTION             | POSITION |
| SWITCH NEGATIVE      | -        |
| EARTH/CHASSIS GROUND | $\perp$  |
| SWITCH POSITIVE      | +        |

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| SYM       | DESCRIPTION  | DATE    | DWN | APPD |
|-----------|--|---------|-----|------|
| B         | K12 & K13: MAX WORKING PRESSURE WAS 1000 psi/69,0 bar. ECN# E4062. | 5/31/11 | MJF | RAM  |
| A         | FIRST ISSUE. ECN# E2811  | 7/31/08 | PLW | DW   |
| REVISIONS |  |         |     |      |

|   |         |
|---|---------|
| ORIGINAL DATE                                       | 7/31/08 |
| DRWN  | PLW     |
| CHKD  | DW      |
| APPD  | DW      |
| UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES |         |
| DO NOT SCALE THIS DRAWING                           |         |

|       |   |
|-------|---|
| TITLE | ONE SERIES<br>2W4D00Kxx<br>DIFFERENTIAL PRESSURE<br>SINGLE SWITCH |
| SCALE | 1:2   |

|   |         |
|---|---------|
| DF001D  |         |
| UNITED ELECTRIC CONTROLS COMPANY<br>WATERTOWN * MASSACHUSETTS |         |
| DWG NO  | A-13905 |