

A-13819

**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)

MEDIA TEMPERATURE:

-45°C TO 232°C (-50°F TO 450°F)

REFER TO NAMEPLATE FOR OPERATING TEMPERATURE RANGE.

**APPROVALS:**

NONINCENDIVE APPLICATIONS:

UL LISTED, cUL CERTIFIED

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

CLASS II, DIVISION 2, GROUPS F & G;

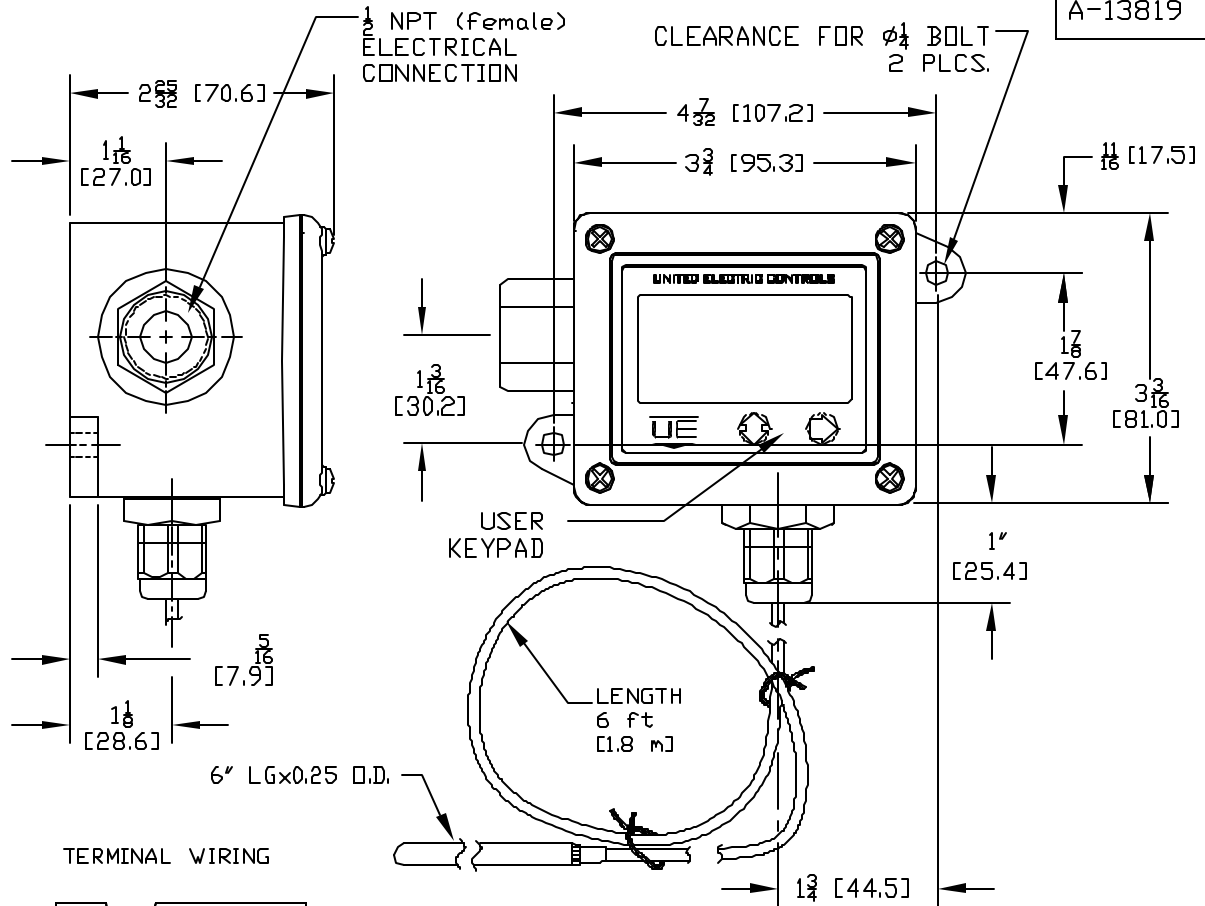
CLASS III;

CLASS I, ZONE 2 AEx nC IIC T4A;

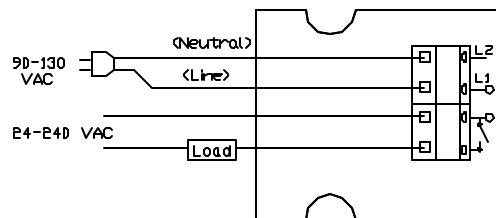
CLASS I, ZONE 2 Ex nC IIC T4A;

Tamb. = -40°C TO +70°C (-40°F TO 158°F)

ENCLOSURE TYPE 4X



TERMINAL WIRING



FOUR WIRE CONFIGURATION

USING ISOLATED (POTENTIAL FREE) SWITCH CONTACTS

MODEL	LENGTH
R1	6' [1.8m]
RC	CUSTOM

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

SYM	DESCRIPTION	DATE	DVN	APPD
C	ADDED OPERATING TEMPERATURE NOTE. ECN#E1165	3/21/05	PLW	D.W.
B	TERMINAL WIRING WAS IN CHART FORM. ADDED SENSOR CHART. 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  
 4 WIRE, 115 VOLT TEMPERATURE SWITCH  
 REMOTE LOW TEMP.  
 USED ON: 2W  
 SCALE .5:1

DF001D  
  
 UNITED ELECTRIC CONTROLS COMPANY  
 WATERTOWN \* MASSACHUSETTS  
 DVG NO  
 A-13819