



**SPECIFICATIONS:**

**MECHANICAL:**

WETTED MATERIALS: 316 STAINLESS STEEL  
ENCLOSURE: TYPE 360 ALUMINUM; EPOXY POWDER COATED

**ELECTRICAL:**

**ELECTRICAL CONNECTION:**  
3 POSITION TERMINAL BLOCK, 22-14 AWG Max  
2 POSITION TERMINAL BLOCK, 22-14 AWG Max

**SWITCH SPECS (SWITCH AND IAW):**  
POWER INPUT: 2 WIRE ELECTRONIC SWITCH  
(DERIVES OPERATING POWER FROM THE SWITCH OUTPUT WIRES)

SWITCH OUTPUT: 70 TO 240 VAC/VDC @ 100 mA  
(DERATE 1mA/°C ABOVE 25°C)  
6.0 mA MIN. LOAD REQUIRED

SWITCH CHARACTERISTICS: OPEN STATE 70-240 VAC/VDC @ 1.0 mA  
CLOSED STATE 13.5 VAC/VDC @ 100 mA

IAW CHARACTERISTICS: OPEN SUPPLY VOLTAGE 7.8 - 50 VDC  
CLOSED 4.7 VDC NOMINAL

MODEL	TEMPERATURE RANGE	EXTENSION LENGTH	
		ft	[meter]
TR1	-40 TO 450°F/ -40 TO 232°C	6'	[1.8]
TRC	-40 TO 450°F/ -40 TO 232°C	UP TO 60' MAX IN 1' INCREMENTS	[18.3] MAX
TH1	-40 TO 1000°F/ -40 TO 538°C	6'	[1.8]
THC	-40 TO 1000°F/ -40 TO 538°C	UP TO 60' MAX IN 1' INCREMENTS	[18.3] MAX
TC1	-300 TO 200°F/ -184 TO 93°C	6'	[1.8]
TCC	-300 TO 200°F/ -184 TO 93°C	UP TO 60' MAX IN 1' INCREMENTS	[18.3] MAX

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ORIGINAL APPROVALS	DATE
<b>DRAWN BY:</b> RAM	5/31/2016
<b>CHECKED BY:</b> SR	5/31/2016
<b>APPROVED BY:</b> R. MCCAREY	5/31/2016

**UE UNITED ELECTRIC CONTROLS**  
LEADERS IN SAFETY, ALARM & SHUTDOWN  
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THIRD ANGLE PROJECTION

UNLESS OTHERWISE SPECIFIED  
DIMENSIONS & TOLERANCES  
ARE IN INCHES (MM)  
INTERPRET PER ASME Y14.5M-2009

**STANDARD TOLERANCES**  
DECIMALS ANGLES  
X ± 0.03 ± 1/2°  
XX ± 0.01 FRACTIONS  
XXX ± 0.005 ± 1/64

TITLE:  
**1XSWHL REMOTE TEMP. SWITCH**

SIZE **A** DRAWING NO. **14036** REV **B**

SCALE: 1:3 DO NOT SCALE THIS DRAWING SHEET 1 OF 2

REV	ECN#	DESCRIPTION	DATE	DRWN	APPD
B	E7532	UPDATED EXTENSION LENGTHS AND WIRING SCHEME VIEWS.	8/22/2024	KLF	RCI
A	E5837	FIRST ISSUE.	5-31-16	RAM	RAM

**REVISION HISTORY**

