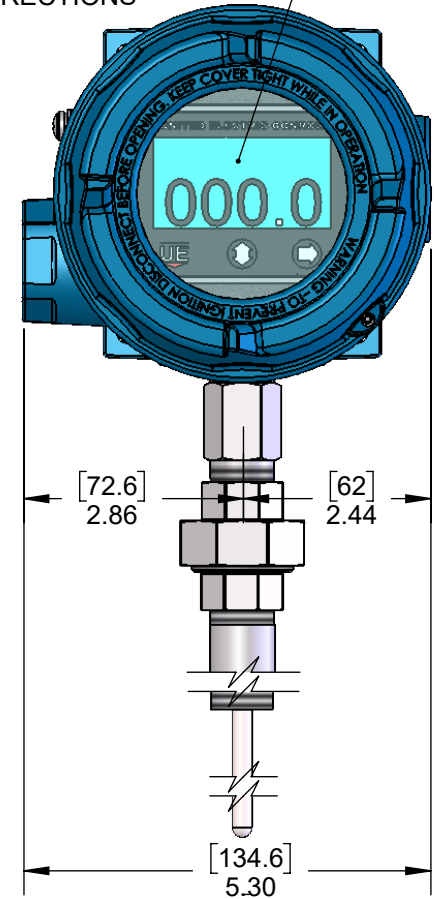


DISPLAY CAN BE ROTATED 180° BOTH DIRECTIONS



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: 7.8 to 50 VDC @ 100mA,
 de-rate 1mA / °C above 25 °C, 2.7 mA MIN. LOAD REQUIRED.
 SWITCH CHARACTERISTICS:
 Open(off) State: 7.8-50 VDC @750 uA MAX
 Closed (on) State: 4.7 VDC @100 mA

APPROVALS:

cULus LISTED
 CLASS I, DIVISION 1, GROUPS A, B, C & D;
 CLASS II, DIVISION 1, GROUPS E, F & G; CLASS III
 CLASS I, ZONE 0 AEx ia IIC T4
 CLASS I, ZONE 1, AEx d IIC T5
 CLASS I, ZONE 1, Ex d IIC T5
 CLASS I, ZONE 2, AEx nA IIC T4
 CLASS I, ZONE 2 EX nA IIC T4
 Tamb = -40°C TO +85°C (-40°F TO 185°F)
 ENCLOSURE TYPE 4X; IP66

ATEX APPROVED
 II 1 G Ex ia IIC T4
 II 1 D Ex ia IIC T135°C
 II 2 G Ex d IIC T5
 II 2 D Ex tD A21 IP66 T+90C
 II 3 G Ex nA IIC T4
 DEMKO 09 ATEX 0813748X
 Tamb = -40°C TO +85°C (-40°F TO 185°F)

IECEx APPROVED
 IECEx UL 08.0017
 Ex ia IIC T4
 Ex ia IIC T135°C
 Ex d IIC T5
 Ex tD A21 IP66 T+90C
 Ex nA IIC T4
 Tamb. = -40°C TO +85°C (-40°F TO 185°F)

MODEL TTC	TEMPERATURE RANGE	EXTENSION LENGTH	
		INCHES	[cm]
N-U-N LENGTH	-40 TO 900°F / -40 TO 482°C	4"-10" IN 1 INCH INCREMENTS	[10.1-25.4]
SHEATH LENGTH "L"	-40 TO 900°F / -40 TO 482°C	UP TO 36" MAX	[91.4] MAX

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ORIGINAL APPROVALS	DATE
DRAWN BY: SR	4/13/2015
CHECKED BY: RJG	4/13/2015
APPROVED BY: S. MILLS	4/13/2015

UNITED ELECTRIC CONTROLS
 LEADERS IN SAFETY, ALARM & SHUTDOWN
 180 Dexter Avenue
 Watertown, MA. 02472
 617-926-1000
 www.ueonline.com

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:
1XSWLL SPRING LOADED TEMP. SWITCH

REV	ECN#	DESCRIPTION	DATE	DRWN	APPD
E	E7532	UPDATED EXTENSION LENGTHS AND WIRING SCHEME VIEWS.	8/22/2024	KLF	RCI
D	E6829	REDRAWN. CHANGED VIEW OF UNION FROM 6213-290 TO 6286-320.	3-9-2021	SR	SL

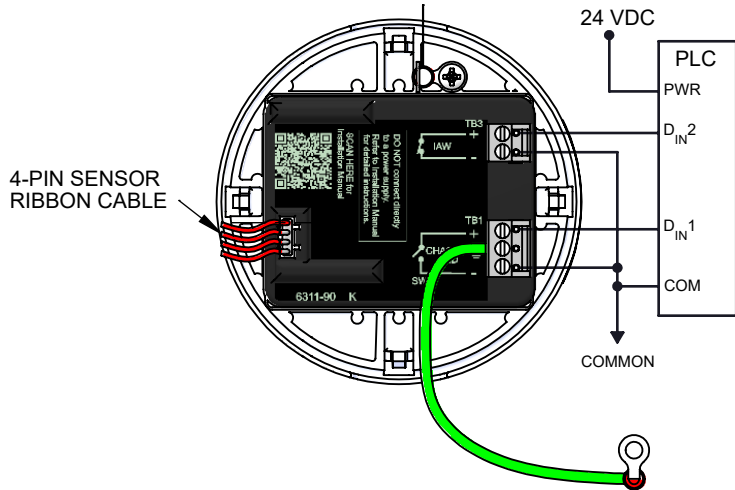
REVISION HISTORY

SIZE	DRAWING NO.	REV
A	14016	E

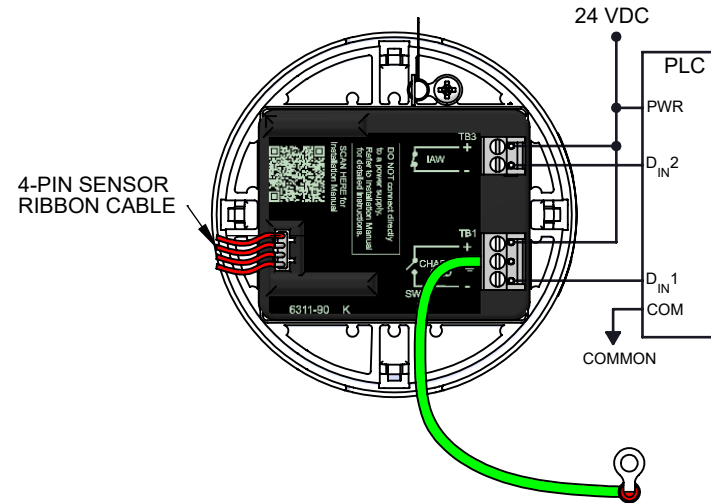
SCALE: 1:2.5 DO NOT SCALE THIS DRAWING SHEET 1 OF 2

RECOMMENDED WIRING SCHEMES

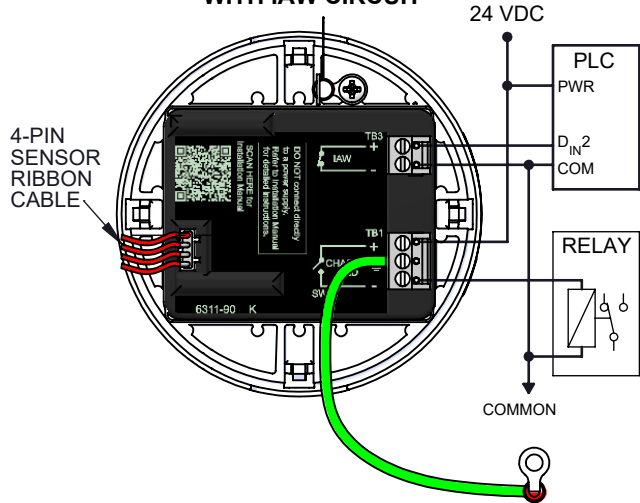
**SW AND IAW
PLC INPUTS CIRCUIT
SINKING SWITCH**



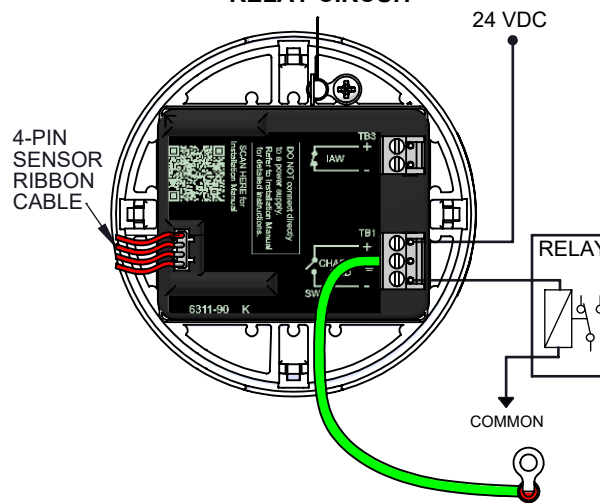
**SW AND IAW
PLC INPUTS CIRCUIT
SOURCING SWITCH**



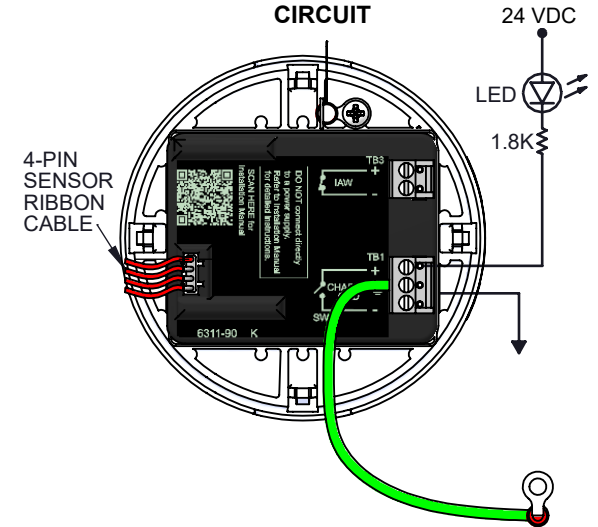
**SWITCH INPUT SINKING
INTERPOSING RELAY
WITH IAW CIRCUIT**



**INTERPOSING
RELAY CIRCUIT**



**RECOMMENDED
BENCH TEST
CIRCUIT**



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THIRD ANGLE PROJECTION

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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

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SIZE	DRAWING NO.	REV
A	14016	E
SCALE: 1:1 DO NOT SCALE THIS DRAWING		SHEET 2 OF 2