

Uniform Temperature Reference Module

Features

- Accepts any 2 wire thermocouple
- Accepts types E, J, K, N, and more
- 16 Channel module
- $\pm 0.1\%$ degree C accuracy*

General Description

The UTR-P (Uniform Temperature Reference) is a passive module that accepts 16 pairs of thermocouple wires, and incorporates an isothermal block as the reference temperature. These self contained, rugged modules serve as cold junctions for any 2 wire thermocouple.

The isothermal block used in the UTR-P is the same aluminum slug that is used in our intelligent thermocouple scanners - the DTS4050 series. There are two RTD's in the aluminum block. Each RTD is located at either end of the aluminum block.

The UTR-P comes with a mating connector that provides the connections for each of the thermocouple terminals, as well as both of the RTD's. Because the UTR-P is a passive module, it does not require a source of power and all measurements are read by an external source.

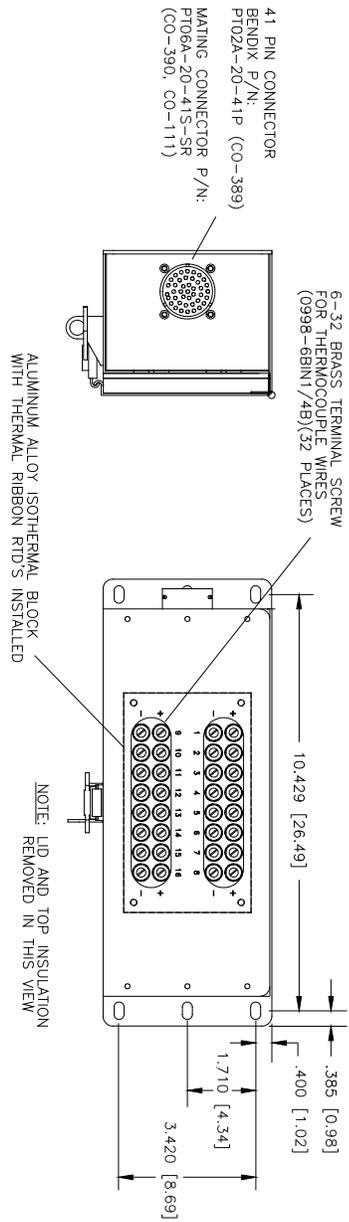
Each module is provided with insulation that lines the lid and base of the unit. This insulation provides thermal isolation for the cold junction, and will safely pin thermocouple wires in place when the lid is closed and latched.



* Accuracy is based on the accuracy of the RTD's installed in unit

UTR-P Dimensions

ALL DIMENSIONS = INCHES [CM]
WEIGHT = 7.6 lbs [3.45 kg]

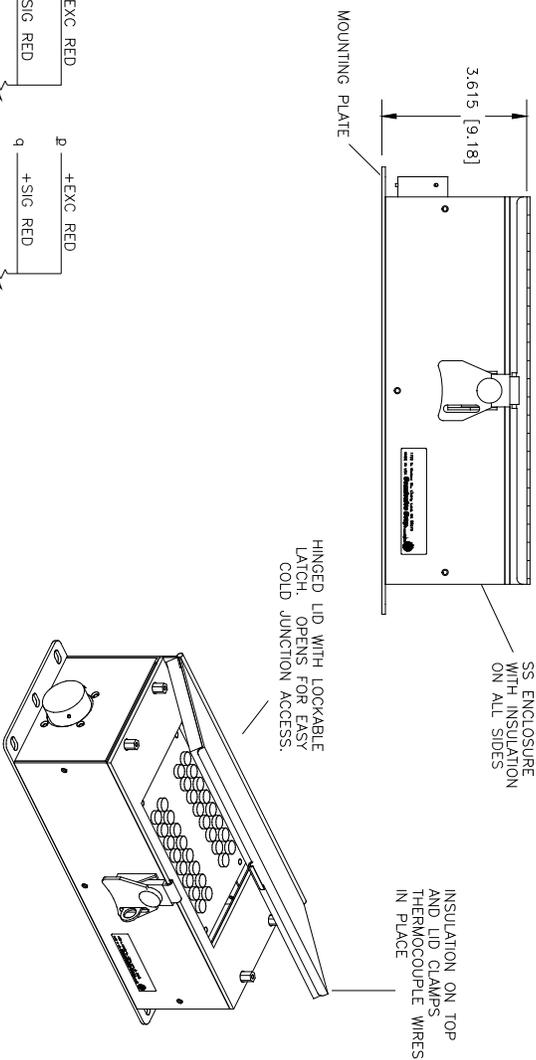
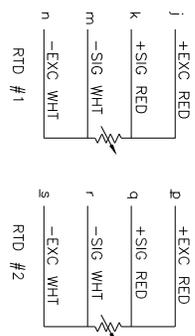


WIRING HARNESS TABLE

CO-389	SCREW	TERMINAL
A	+1	
B	-1	
C	+2	
D	-2	
E	+3	
F	-3	
G	+4	
H	-4	
I	+5	
J	-5	
K	+6	
L	-6	
M	+7	
N	-7	
P	+8	
R	-8	
S	+9	
T	-9	
U	+10	
V	-10	
W	+11	
X	-11	
Y	+12	
Z	-12	
a	+13	
b	-13	
c	+14	
d	-14	
e	+15	
f	-15	
g	+16	
h	-16	
i		

RTD WIRING TABLE

CO-389	21060-2
j	+EXC RED
k	+SIG RED
l	+SIG/1
m	+SIG/12
n	+SIG/13
o	+SIG/14
p	+SIG/1
q	+SIG/12
r	+SIG/13
s	+SIG/14



*Specifications are subject to change without notice.

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