



# RTD TEMPERATURE TRANSMITTER MODEL 807060

The Model 807060 is a “two wire” temperature transmitter which measures resistance changes as a function of temperature. The 100 ohm RTD temperature sensor resistance is linearized and converted to a temperature proportional 4 to 20 mAdc current. The transmitter is housed in a NORYL plastic enclosure.

## RTD TEMPERATURE TRANSMITTER

### TECHNICAL SPECIFICATIONS

#### INPUT RANGE:

-300°F to +900°F 100 Ω Platinum

#### SPAN:

100°F Minimum, Typical  
Consult Factory for Lower Ranges

#### OUTPUT:

4 to 20 mAdc, Linearized

#### ACCURACY:

±0.15% Typical, of Span; not Including RTD Probe

#### LOOP RESISTANCE MAXIMUM:

600 Ω @ 24 Vdc, 4 to 20 mAdc Output

#### POWER:

24 Vdc Nominal  
9 Vdc Minimum to 36 Vdc Maximum

#### AMBIENT OPERATING TEMPERATURE:

-20°F to +140°F  
Ambient Effect: ±.02% of Span/°F

#### ELECTRICAL CONNECTIONS:

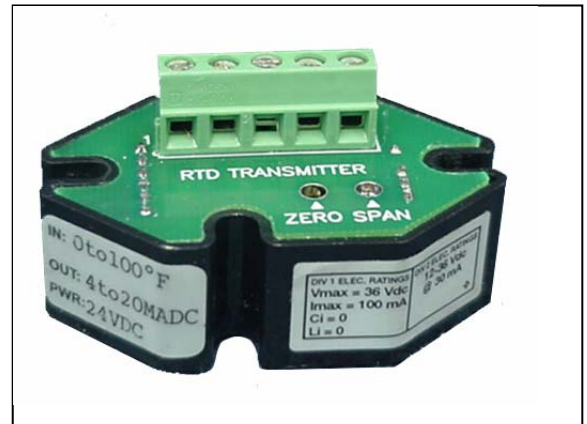
5 Position Terminal Block

#### RTD ELEMENT:

100 Ω Platinum

#### TRANSMITTER HOUSING:

Noryl Plastic

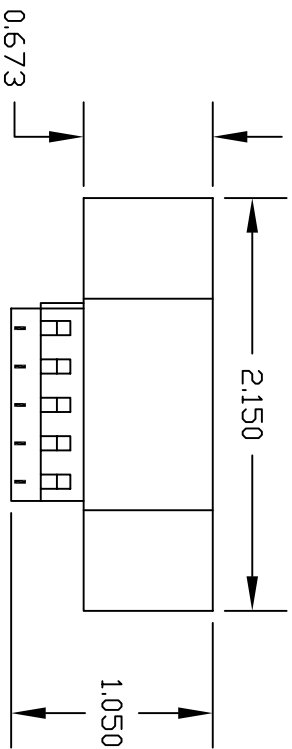


### FEATURES

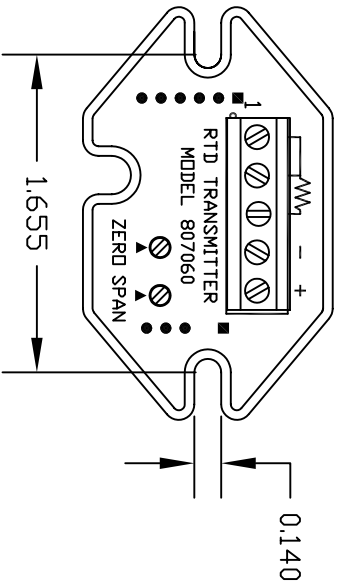
- Two Wire Signal
- Long Term Stability
- Adjustable Zero & Span
- Excellent Repeatability
- Lead Wire Compensated
- Explosion Proof and NEMA 4X Enclosures Available
- CSA Approved  
Class I Groups A,B,C,D  
Class I Div 2 Groups A,B,C,D



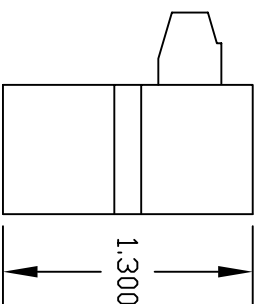
TOP VIEW



FRONT VIEW



SIDE VIEW



NOTE:  
MOUNT WITH 6-32 SCREWS, QUANTITY 2.

DWG. NO. SD-A-0182A	
REVISIONS	
A	INITIAL RELEASE 4/1/97

QUOTE OR ORDER NUMBER	<p><b>Analytek Wireless, LLC</b> 790 CROSS POINTE ROAD COLUMBUS, OHIO 43230</p>	
Dimensions in inches unless otherwise specified		
DIMENSION TOLERANCES UNLESS OTHERWISE SPECIFIED		
BASIC DIMENSIONS	FRACTIONAL	DECIMAL
UP TO 6	+/- 1/64	+/- .005
OVER 6 TO 24	+/- 1/32	+/- .005
OVER 24	+/- 1/16	+/- .010
SCALE FULL	DO NOT SCALE DRAWING WORK TO DIMENSIONS	
DRAWN RML	DATE	01/10/97

CHECKED REC	DATE	04/04/97	NEXT ASS'Y	DWG NO.
APPROVED DDT	DATE	04/04/97		SD-A-0182A
TITLE		RTD TRANSMITTER		
FOR		807060		

FILE NAME  
EU0000033.DWG