

The Model 815000 loop powered isolator may be used in applications where isolation of a 4 to 20 mA current is required. The isolator is ideal for preventing or eliminating ground loops and/or common mode noise and is packaged in a small Noryl enclosure that is easily mounted on a flat panel with two # 6-32 screws. Optional housings include a general purpose or explosion proof enclosure.

LOOP POWERED DC TO DC CURRENT ISOLATOR



TECHNICAL SPECIFICATIONS

INPUT RANGE:

4 to 20 mA_{dc}

OUTPUT RANGE:

4 to 20 mA_{dc}

ISOLATION:

1000 V_{dc} or Peak ac, Transformer Isolated

LINEARITY:

± 0.1 % of Span Maximum

ISOLATED LOAD RANGE:

0 to 500Ω (nominal 250 Ω see graphs below)

OPERATING TEMPERATURE RANGE:

-40 to +140°F

TEMPERATURE DRIFT:

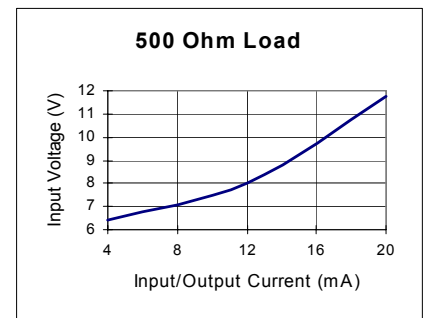
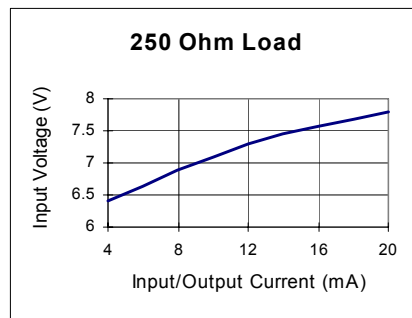
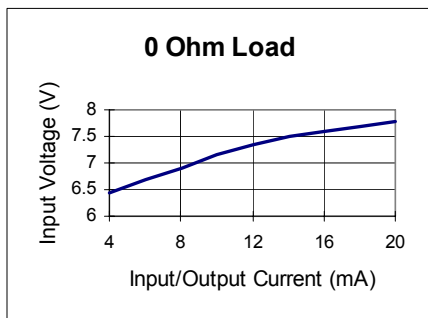
± 0.01% of Span/ °F Maximum

TRANSMITTER HOUSING:

Noryl Plastic

FEATURES

- Eliminates Common Mode Noise and Ground Loops
- Loop Powered
- Transformer Isolated
- Explosion Proof and General Purpose Enclosures Available
- Compact Size

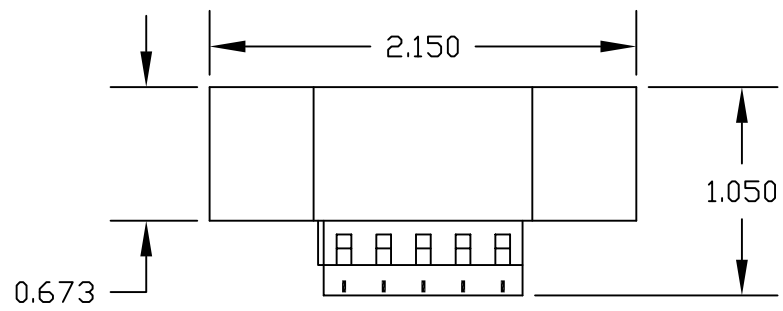


DWG. NO.
SD-A-0170B

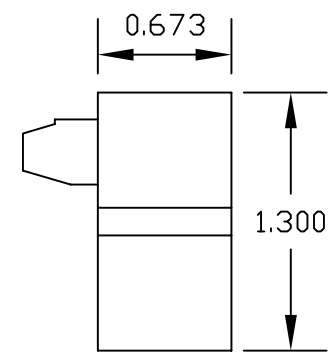
REVISIONS

A	4/25/96 INITIAL RELEASE
B	ECD # 193040497 08/29/97 REC

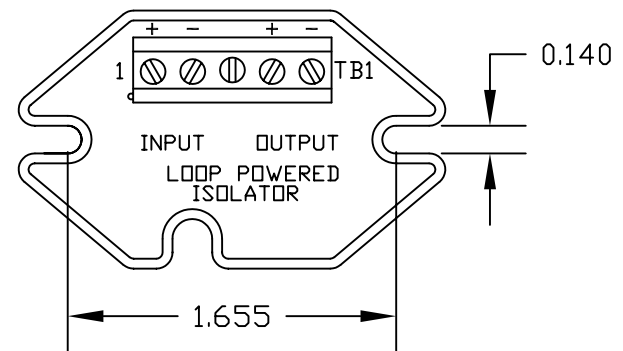
TOP VIEW



SIDE VIEW



FRONT VIEW



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

QUOTE OR ORDER NUMBER			Analynk Wireless, LLC	
Dimensions in inches unless otherwise specified			790 CROSS POINTE ROAD COLUMBUS, OHIO 43230	
DIMENSION TOLERANCES UNLESS OTHERWISE SPECIFIED			TITLE	
BASIC DIMENSIONS	FRACTIONAL	DECIMAL	LOOP POWERED ISOLATOR FOR	
UP TO 6	+/- 1/64	+/- .005	MODEL 815000	
OVER 6 TO 24	+/- 1/32	+/- .005		
OVER 24	+/- 1/16	+/- .010		
SCALE FULL	DO NOT SCALE DRAWING WORK TO DIMENSIONS			
DRAWN RML	DATE 04/26/96			
CHECKED JDR	DATE 05/13/96		NEXT ASS'Y	
APPROVED SC	DATE 05/15/96		DWG NO. SD-A-0170B	

FILE NAME
EU000004.DWG