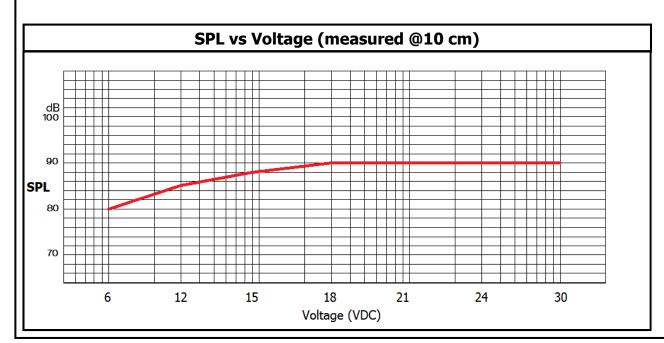


## AI-1440-TWT-24V-2-R 14mm Indicator

3541 Stop Eight Road • Dayton, Ohio 45414

## **Product Overview**

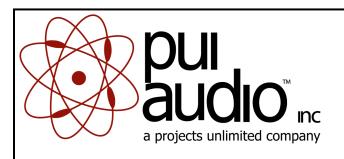
- 14mm diameter, 6-30 VDC self-drive indicator
- 87 dBA minimum output (24 VDC @ 10 cm) and 4 kHz continuous tone
- Noryl® housing withstands Wave soldering temperatures
- Removable wash tag preserves performance





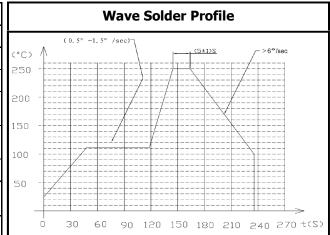


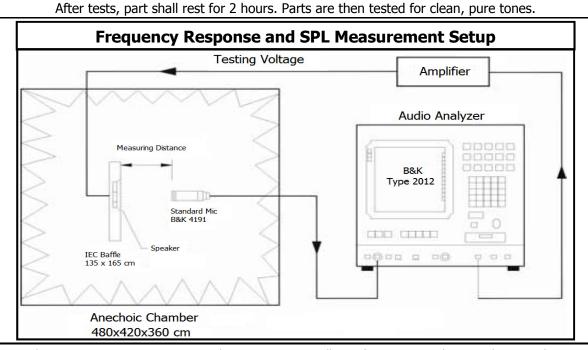


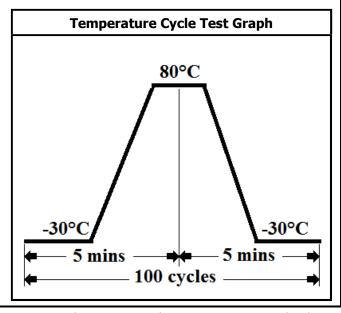


## AI-1440-TWT-24V-2-R 14mm Indicator

Mechanical and Environment Testing		
Test Description	Test Condition	
High Temperature	85°C (±2°C) with random humidity for 96 hours	
Low Temperature	-30°C (±2°C) with random humidity for 96 hours	
Humidity	40°C (±2°C) with 90% to 95% relative humidity for 96 hours	
Vibration	0.75 mm movement modulated at 10-55 Hz for 3 hours	
Drop Test	100 cm free fall onto wood board, 10 cycles	
Temperature Cycle Test	-30°C to 80°C, 100 cycles	







SPECIFICATIONS				
PARAMETERS	VALUES	UNITS		
RATED VOLTAGE	24	Vdc		
OPERATING VOLTAGE RANGE	6 ~ 30	Vdc		
RATED CURRENT (MAX)	18	mA		
MINIMUM SPL @ 10 CM	87	dBA		
RESONANT FREQUENCY	4,000 ± 500	Hz		
TONE OR PULSE RATE	CONTINUOUS	0 pulse /sec		
OPERATING TEMPERATURE	-20 ~ +70	°C		
STORAGE TEMPERATURE	-30 ~ +80	°C		
HOUSING MATERIAL	NORYL	ı		
TERMINAL MATERIAL	Sn PLATED COPPER	-		
WEIGHT	1	grams		

1. ALL DIMENSIONS ARE IN MILLIMETERS.

3. THIS PART IS RoHS 2002/95/EC COMPLIANT.

WITHOUT NOTICE.

2. SPECIFICATIONS SUBJECT TO CHANGE OR WITHDRAWL

THIS DOCUMENT CONTAINS DATA PROPRIETARY
TO PROJECTS UNLIMITED, INC. ANY USE OR
REPRODUCTION, IN ANY FORM, WITHOUT PRIOR
WRITTEN PERMISSION OF PROJECTS
UNLIMITED, INC. IS PROHIBITED.

©2003, Projects Unlimited Inc.

REVISION HISTORY				
LTR	DESCRIPTION	DATE	APPROVED	
-	RELEASED FROM ENGINEERING	10/18/2006		
Α	REVISED TO INVENTOR 3-D DRAWING TEMPLATE	11/16/2007	B.R.	

Approved by

R.W.

Indicator

AI-1440-TWT-24V-2-R

Date

10/18/2006 11/15/2007

Drawn Date

1/1

Date

10/18/2006

Checked by

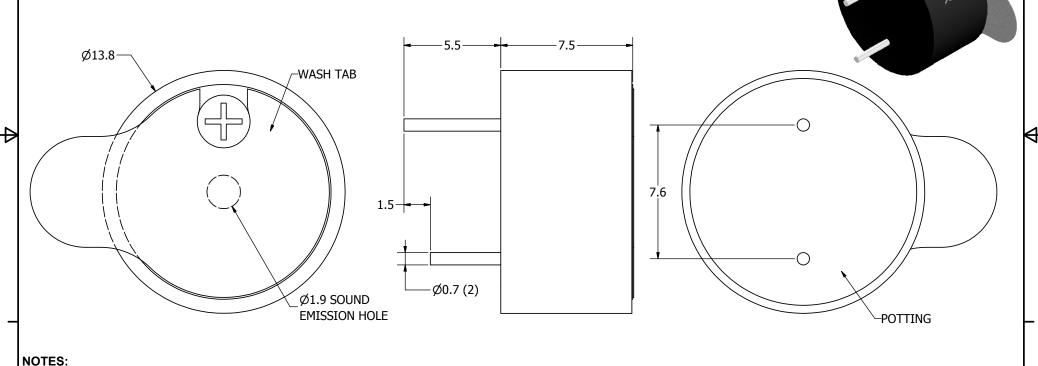
B.R.

Designed by

SIZE

Date

10/18/2006



UNLESS OTHERWISE

SPECIFIED:

DIMENSIONS ARE IN

MILLIMETERS,

TOLERANCES ARE ±0.5 AND ANGLES ARE ±3°.

AI-1440-TWT-24V-2-R.idw