



5000 NORTH US-131 · REED CITY, MI 49677 · (231) 832-5525
www.nartron.com

Flasher, dual LED and filament bulb

Part No. 1310915

GENERAL DESCRIPTION

This “dual” heavy duty flasher provides high performance to meet stringent military and automotive demand for operating both filament bulbs and LED lamps within a single compact module. This rugged, compact, solid state module meets demanding military and automotive requirements. Advantages include:

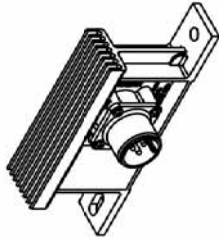
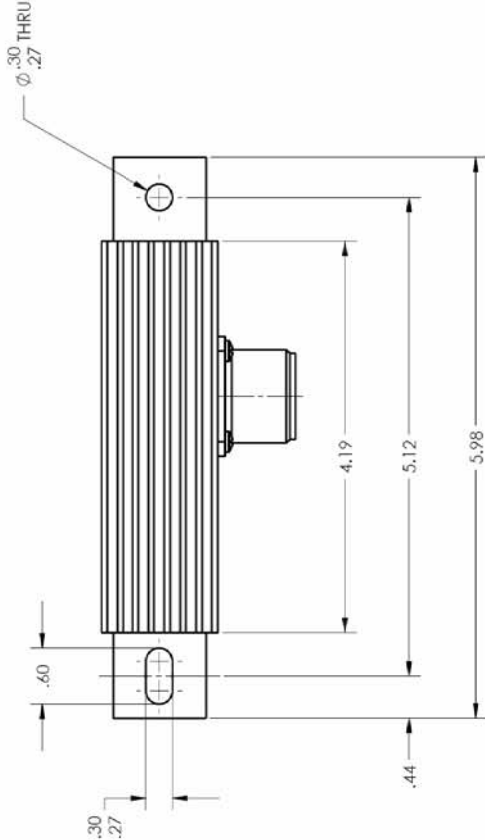
- Drop in replacement for NSN 5945-00-789-3706
- Completely solid state for long life and high performance
- Fully water sealed to meet MIL-STD-1184 Method 100
- Operates both LED and filament lamps in any combination

FEATURES

- Meets and exceeds military and commercial specifications
- Precision flash rate (60-120 flashes per minute)
- Urethane potted, provides corrosion, shock and vibration protection against harsh vehicle application conditions
- Compact size
- Light weight
- Temperature rating -65° to $+160^{\circ}\text{F}$
- Field proven reliability
- Operating voltage range 18-32 VDC
- Short circuit protected output
- High accuracy and repeatability
- Flash rate is independent of load variation and operable throughout voltage range

Integrated *SENSE – COMPUTE – CONTROL*® Systems

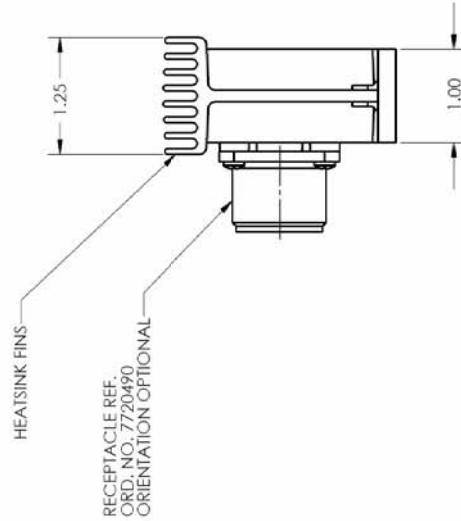
REV	DATE	BY	DESCRIPTION
A			RELEASED



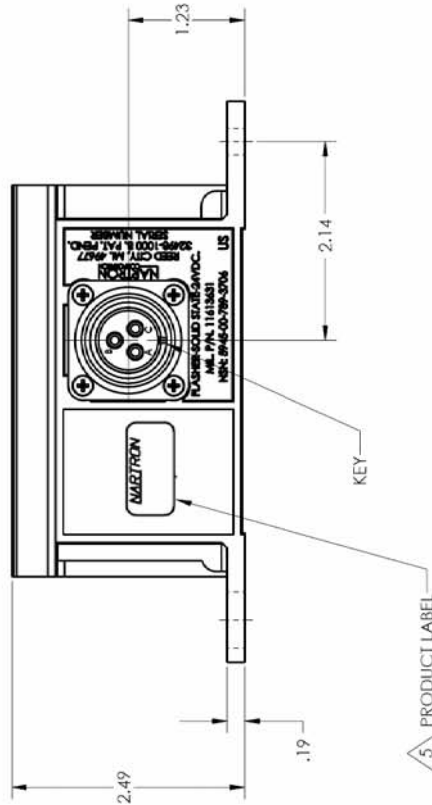
VIEW FOR REF. ONLY
SCALE 1:2

NOTES:

1. UNIT CONFORMS TO MIL-DTL-62069 (24 VDC SYSTEM)
 2. REF. ORD. DWG. 11613631 (B-1) (24 VDC SYSTEM)
 3. PLASTIC PARTS TO BE GRAY
 4. ALUMINUM PARTS TO BE BLACK ANODIZED PER MIL-A-8625 UNLESS OTHERWISE SPECIFIED
5. LABEL INFORMATION TO INCLUDE NARTRON, ADDRESS, PART NO., JULIAN DATE CODE, PAIS, PEND, AND 24V. ORIENT LABEL AS SHOWN, LOCATED IN THE APPROX. CENTER OF THIS POTTED AREA



RECEPTACLE REF.
ORD. NO. 7720490
ORIENTATION OPTIONAL



NOTE: FLASHES BOTH FILAMENT BULBS AND LED LAMPS
24 VOLT DC SYSTEM: SOLID STATE

REF: MIL-C-62069

CONTACT	APPLICATION
A	OUTPUT
B	INPUT
C	GROUND

DATE	REV	DATE	BY	DESCRIPTION
CHECKED	DATE	DO NOT SCALE	PART NO.	DESCRIPTION
APPROVED	DATE	PARASITIC ARE IN INCHES		LIST OF MATERIALS
MATERIAL	DATE	TOLERANCE UNLESS OTHERWISE SPECIFIED		
		3 PLACE DECIMALS #0.01		
		3 PLACE DECIMALS #0.008		
		ANGLES 1/2°		
		THICK. NOT TO EXCEED		
		SCALE 1:1		
		SHEET 1 OF 1		

NARTRON
CORPORATION
NARTRON CORPORATION
REED CITY, MI 48427
DIVISION

FLASHER, DUAL

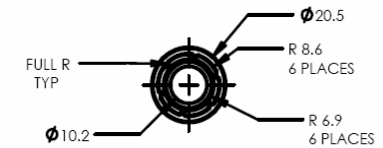
SPECIFICATION CONTROL DRAWING

1310915

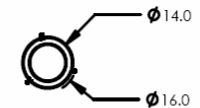
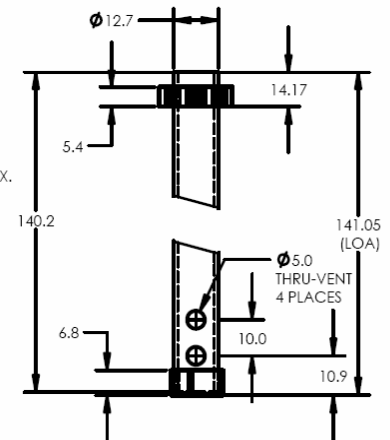
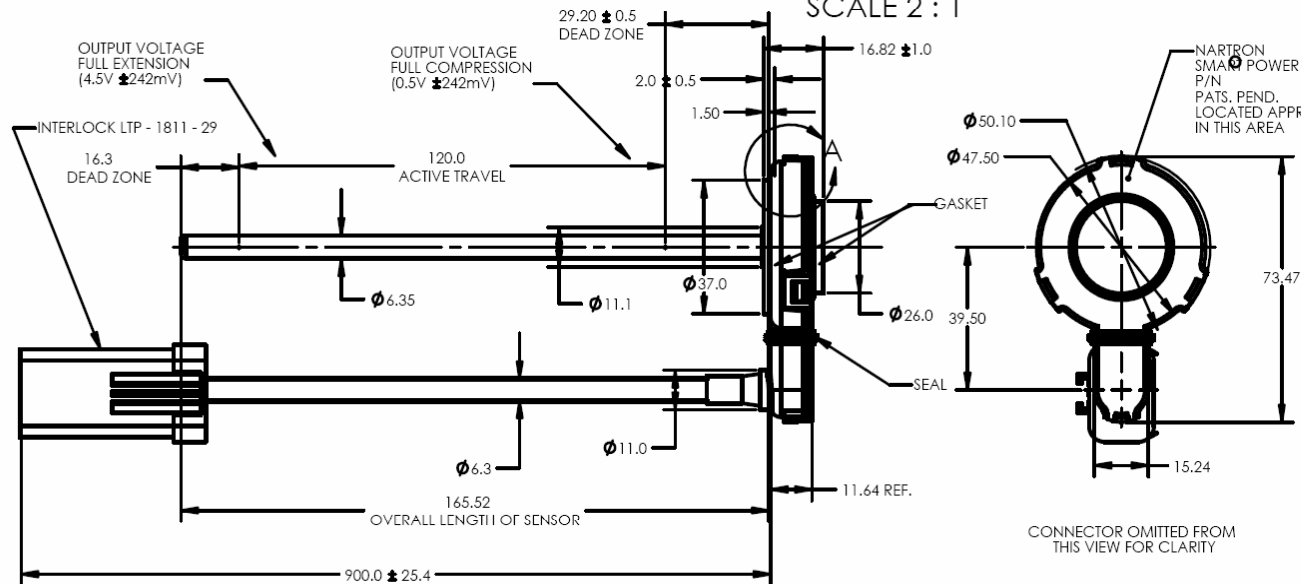
NOTES:

1. REF. NARTRON SPECIFICATION 1560
2. CASE MATERIAL: PLASTIC
3. COUPLER MATERIAL: 3003-H14 ALUMINUM ALLOY
4. ALL WIRES 18 AWG

1.68 ± 0.15



DETAIL A
SCALE 2 : 1



CONNECTOR OMITTED FROM THIS VIEW FOR CLARITY

UPPER CENTRALIZER OMITTED FROM THIS VIEW FOR CLARITY

3 COUPLER DETAIL

FLYING LEADS		
PIN	COLOR	FUNCTION
1	BLUE	+ 5.0 VDC
2	YELLOW	SENSOR OUT
3	BLACK	COM/GND

Probe length optional (126mm, 192mm, 220mm, etc.)

SPECIFICATION CONTROL DRAWING

DRAWN	DATE	REQ'D	ITEM	PART NO.	DESCRIPTION
DAS	04-19-99	DO NOT SCALE			LIST OF MATERIALS
CHECKED	DATE	DIMENSIONS	ARE IN MILLIMETERS		
PHS	04-20-99				
APPROVED	DATE	TOLERANCE UNLESS OTHERWISE SPECIFIED			
JW	04-20-99				
MATERIAL		1 PLACE DECIMALS ±0.4		NAME	
		2 PLACE DECIMALS ±0.13			
NEXT ASSEMBLY		ANGLES ±1/2°	SCALE 1:1	NO	1320380
		THD: INT 2B EXT 2A	SHEET 1 OF 1		

NARTRON
CORPORATION

REED CITY, MI 49377
DIVISION

SENSOR, POSITION