

## IP66 Series

Light, Horn and Combination Alarms  
General Purpose



### Description

The IP66 Series of Models A-IP66, V-IP66 and AV1-IP66 consist of an audible sounder (A), a visual beacon (V) or a combination of the two (AV1). All of these options come in impact resistant plastic housings that are rated to IP66 for dust and water ingress protection.

The visual warning beacon comes in field interchangeable lens colors of amber, blue, clear, green, red, yellow and magenta. The beacon can be configured as a steady light for status indication use or alternatively with one of seven flashing modes. Available with a choice of LED or 5 Joule Xenon lights.

The combination AV1-IP66 alarm horn sounder & beacon/status warning light may be connected from a single supply for simultaneous operation or from separate supplies for independent operation. The compact, robust housing is ideal for all general signaling applications including fire, security and process control.

#### Approvals

UL: UL464 & UL1638

cUL: CSA C22.2 No 205-M1983

EAC CU TR 043/2017: B.00291/21

EAC: RU D-GB.GA05.B.12595-20

RMRS Marine: No. 19.00193.278

CE, UKCA



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## General Purpose Light, Horn and Combination Alarms

### Specifications

#### General

Ingress Protection:	IP66 Type 3R/13
Enclosure:	High impact UL94 V0 & 5VA FR ABS
Lens Color Filter:	Field replaceable UV stable PC
Terminals (alarm horn):	0.5 - 1.5 mm <sup>2</sup> (22-16 AWG)
Terminals (beacon):	0.5 - 2.5 mm <sup>2</sup> (20-14 AWG)
Line Monitoring:	Diode polarized for use in supervised circuits
Operating Temp.:	-25° to 55°C (-13° to 131°F)
Storage Temp.:	-40° to 70°C (-40° to 158°F)
Relative Humidity:	90% at 20°C (68°F)
Vibration Test:	35 Hz for a duration 4 Hr (UL464/UL1638)
Jarring Test:	3ft/lb Energy (UL464/UL1638)
Impact Test:	3x 5lb (UL464/UL1638)

#### L.E.D. Beacon

Light Source:	High intensity L.E.D. array 18 x Cree® SMT White LED
High Power Steady:	180 cd - measured ref. to I.E.S.
1 Hz Flash cd:	113 cd - measured ref. to I.E.S.
LED Life:	60,000 hours
Settings:	<ol style="list-style-type: none"><li>1. High Power Steady</li><li>2. Blinking - 425ms ON 75ms OFF</li><li>3. 1.0Hz (60 fpm) - 200ms ON 800ms OFF</li><li>4. 1.33Hz (80 fpm) - 150ms ON 600ms OFF</li><li>5. Double Flash</li><li>6. Triple Flash</li><li>7. 2.0Hz (120 fpm) - 125ms ON 375ms OFF</li><li>8. Temporal Pattern Flash</li></ol>

#### Alarm Horn

Maximum Output:	103 dB(A) @ 1m ± 3 dB (94 dB(A) @ 10ft/3m ± 3 dB)
Nominal Output:	103 dB(A) @ 1m ± 3 dB (94 dB(A) @ 10ft/3m ± 3 dB)
No. of Tones:	10 (UKOOA/PFEER compliant)
No. of Stages:	2 (AC voltage variants 1 stage)
Volume Control:	-12VDC, 24VDC
Effective Range:	38m/124ft @ 1KHz
Voltages DC:	12VDC, 24VDC
Voltages AC:	115VAC, 230VAC
Stage Switching:	Negative (common positive)

#### Xenon Strobe

Energy:	5 Joules (5Ws)
Flash Rate:	1Hz (60 fpm) DC units: 1.5Hz (90 fpm) & Double Strike
Peak Candela:	500,000 cd - calculated from energy (J)
Effective cd:	250 cd - calculated from energy (J)
Peak Candela:	86,935 cd* - measured ref. to I.E.S.
Effective cd:	200 cd* - measured ref. to I.E.S.
Tube Life:	Emissions may reduce to 70% after 8 million flashes

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