

# CI36P-16E300-M-4X

Former P/N: CI36PE-16300-M4

 Rev. 2-2021  
 RoHS3 & REACH  
 300 HR ASTM B117 & IP68 Front Face  
 Piezoelectric Indicators

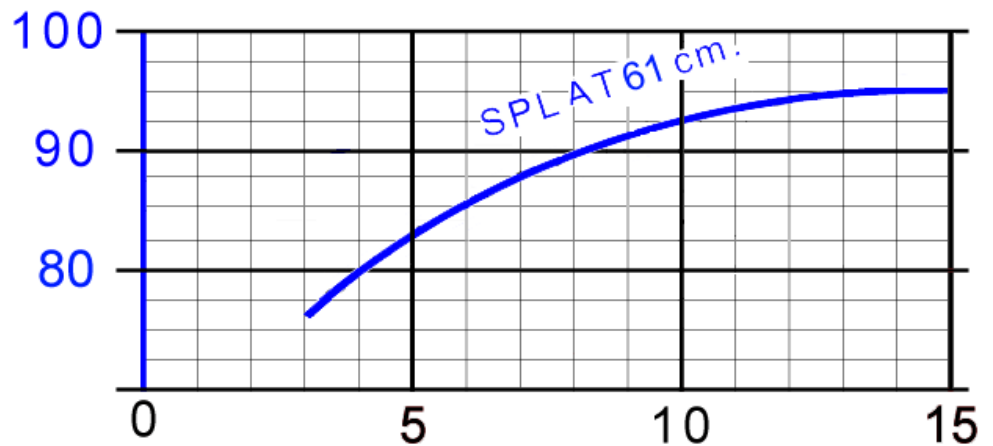

## Operating Characteristics

### ELECTRICAL

|                     |             |
|---------------------|-------------|
| Rated Voltage       | 12 VDC      |
| Operating Voltage   | 5 to 16 VDC |
| Max Current at Vmax | 100 mA      |

### ACOUSTIC

|                 |                                   |
|-----------------|-----------------------------------|
| Tone Category   | Pulsating                         |
| Description     | Intermittent                      |
| Center $f$      | 3000 $\pm$ 250 Hz                 |
| Pulse $f$       | 1 Hz $\pm$ 10 %                   |
| Tone Category   | Pinpoint                          |
| Description     | Enhanced Localization (Pulsating) |
| Center $f$      | 3000 $\pm$ 250 Hz                 |
| Pulse $f$       | 1 Hz $\pm$ 10 %                   |
| Min SPL at Vmin | 82 dB                             |
| Min SPL at Vmax | 94 dB                             |
| Test Conditions | 61 cm                             |



## Physical Characteristics

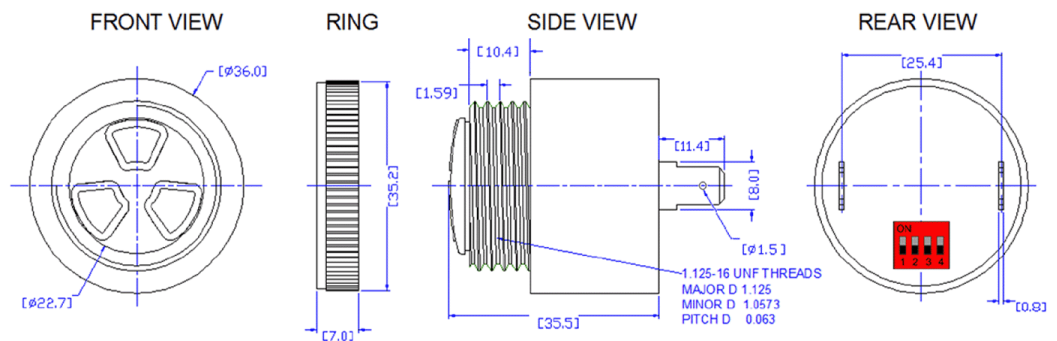
### MATERIALS

|           |                          |
|-----------|--------------------------|
| Housing   | Noryl                    |
| Diaphragm | Stainless Steel          |
| Terminal  | Electro-Tin Plated Brass |

### TEMPERATURE RANGES

|           |                |
|-----------|----------------|
| Operating | -30 to +65 °C  |
| Storage   | -40 to +105 °C |

Weight 35 g



| Tone # | Output Sound Tone |                       | Rate  | DIP Switch Setting |     |     |     |
|--------|-------------------|-----------------------|-------|--------------------|-----|-----|-----|
|        |                   |                       |       | 1                  | 2   | 3   | 4   |
| 1      | Pulsating         | Intermittent          | 1 PPS | Off                | Off | Off | Off |
| 2      | PinPoint Alert    | Enhanced Localization | 1 PPS | On                 | Off | Off | Off |

## General Tolerance: $\pm 0.75$ mm

All Measurements are mm unless noted otherwise.

| Revision | Description  | By | Date       |
|----------|--|----|------------|
| 1-2020   | Added Patent Protected notice to spec. U.S. Patent No: US 10,522,008 B1  | WS | 2020-01-22 |
| 2-2021   | Updated IP rating from IP65 to IP68 Front Face. Added general tolerance and removed inch dimensions from mechanical drawing. | CT | 2021-08-11 |

Warranty: For a period of two (2) years from date of shipping under normal operations conditions. This warranty does not apply to products damaged through misuse, abuse, improper installation, alteration, rework, or attempt to repair. IP Rating ensures functionality after water has been drained fully from device.

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 This Device contains patented design(s). U.S. Patent No: US 10,522,008 B1. ©2021 Challenge Electronics, Inc. Pub. 20210820190644