

# Bells Vibrating 340 and 435 Series

Edwards 340 Series and 435 Series are vibrating bells that produce a long, continuous ringing sound. The striker continues to strike the gong in rapid-fire as long as current is applied. Specified for timing, scheduling, paging and general alarm applications.

## Features and Specifications

- 4", 6" and 10" gong sizes in AC versions
- 4", 6", 8" and 10" gong sizes in DC versions
- Completely assembled with all hardware supplied
- Die cast housing
- Corrosion resistant heat flowed epoxy finish
- Mounts directly on surface or electrical box
- Optional flush mount grille and wall box available separately
- Self-compensating solenoid plunger
- FM approved (AC Bells only)



| Ordering Information |          | Operating Voltage | Current | VA          | Gong Size   | dB at 1m/10ft. | DC Coil Res (Ohms) |
|----------------------|----------|-------------------|---------|-------------|-------------|----------------|--------------------|
| AC                   | 340-4E5  | 12V AC            | 0.620 A | 7.4         | 4" (102mm)  | 98/88          | 13                 |
|                      | 340-6E5  | 12V AC            | 0.700 A | 8.4         | 6" (152mm)  | 102/92         | 8                  |
|                      | 340-4FM  | 16V AC            | 0.460 A | 7.4         | 4" (102mm)  | 98/88          | 22                 |
|                      | 340-6FM  | 16V AC            | 0.500 A | 8.0         | 6" (152mm)  | 102/92         | 13                 |
|                      | 340-4G5  | 24V AC            | 0.310 A | 7.4         | 4" (102mm)  | 98/88          | 50                 |
|                      | 340-6G5  | 24V AC            | 0.350 A | 8.4         | 6" (152mm)  | 102/92         | 30                 |
|                      | 340-10G5 | 24V AC            | 0.350 A | 8.4         | 10" (254mm) | 106/96         | 30                 |
|                      | 340-4N5  | 120V AC           | 0.062 A | 7.4         | 4" (102mm)  | 98/88          | 1300               |
|                      | 340-6N5  | 120V AC           | 0.070 A | 8.4         | 6" (152mm)  | 102/92         | 700                |
|                      | 340-10N5 | 120V AC           | 0.070 A | 8.4         | 10" (254mm) | 106/96         | 700                |
|                      | 340-4R5  | 240V AC           | 0.031 A | 7.4         | 4" (102mm)  | 98/88          | 5000               |
|                      | 340-6R5  | 240V AC           | 0.350 A | 8.4         | 6" (152mm)  | 102/92         | 2650               |
| 340-10R5             | 240V AC  | 0.350 A           | 8.4     | 10" (254mm) | 106/96      | 2650           |                    |
| DC                   | 435-4C1  | 6V DC             | 0.250 A | 1.5         | 4" (102mm)  | 100/90         | 11                 |
|                      | 435-6C1  | 6V DC             | 0.250 A | 1.5         | 6" (152mm)  | 102/92         | 11                 |
|                      | 435-8C1  | 6V DC             | 0.250 A | 1.5         | 8" (203mm)  | 103/93         | 11                 |
|                      | 435-4E1  | 12V DC            | 0.125 A | 1.5         | 4" (102mm)  | 100/90         | 40                 |
|                      | 435-6E1  | 12V DC            | 0.125 A | 1.5         | 6" (152mm)  | 102/92         | 40                 |
|                      | 435-8E1  | 12V DC            | 0.125 A | 1.5         | 8" (203mm)  | 103/93         | 40                 |
|                      | 435-10E1 | 12V DC            | 0.125 A | 1.5         | 10" (254mm) | 104/94         | 40                 |
|                      | 435-4G1  | 24V DC            | 0.062 A | 1.5         | 4" (102mm)  | 100/90         | 155                |
|                      | 435-6G1  | 24V DC            | 0.062 A | 1.5         | 6" (152mm)  | 102/92         | 155                |
|                      | 435-8G1  | 24V DC            | 0.062 A | 1.5         | 8" (203mm)  | 103/93         | 155                |
|                      | 435-10G1 | 24V DC            | 0.062 A | 1.5         | 10" (254mm) | 104/94         | 155                |
|                      | 435-4J1  | 32V DC            | 0.047 A | 1.5         | 4" (102mm)  | 100/90         | 275                |
|                      | 435-6J1  | 32V DC            | 0.047 A | 1.5         | 6" (152mm)  | 102/92         | 275                |
|                      | 435-6K1  | 48V DC            | 0.031 A | 1.5         | 6" (152mm)  | 102/92         | 620                |
|                      | 435-4P1  | 125V DC           | 0.012 A | 1.5         | 4" (102mm)  | 100/90         | 3000               |
|                      | 435-6P1  | 125V DC           | 0.012 A | 1.5         | 6" (152mm)  | 102/92         | 3000               |
|                      | 435-8P1  | 125V DC           | 0.012 A | 1.5         | 8" (203mm)  | 103/93         | 3000               |
|                      | 435-10P1 | 125V DC           | 0.012 A | 1.5         | 10" (254mm) | 104/94         | 3000               |
| 435-6S1              | 250V DC  | 0.008 A           | 2.0     | 6" (152mm)  | 100/90      | 6100           |                    |
| 435-10S1             | 250V DC  | 0.008 A           | 2.0     | 10" (254mm) | 100/90      | 6100           |                    |



# Bells

## Vibrating

### 340 and 435 Series

#### Accessories

| Description                                   | Cat. No.           |
|---|--------------------|
| Outdoor Back Box for 4" AC Bells              | 348                |
| Outdoor Back Box for 6" Bells or 10" AC Bells | 349                |
| Outdoor Back Box for DC Bells                 | 449                |
| Flush Mount Grille for 4" Bells               | 511-A <sup>1</sup> |
| Flush Mount Grille for 6" Bells               | 512-A <sup>2</sup> |
| Flush Mount Grille for 10" Bells              | 513-A <sup>3</sup> |
| Wall Box for 4" Bells                         | 511-1              |
| Wall Box for 6" Bells                         | 512-1              |
| Wall Box for 10" Bells                        | 513-1              |

<sup>1</sup>511-A must be used with 511-1.

<sup>2</sup>512-A must be used with 512-1.

<sup>3</sup>513-A must be used with 513-1.



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#### Signal Input Load Characteristics

These devices may be operated by PLCs with output characteristics that match the input load requirements of the signal.

| Cat. No. | Operating Voltage <sup>4</sup> | Max. Off State Leakage Current (A) | Continuous On Current (A) | Surge (Inrush/Duration) Amps/Milliseconds |
|----------|--------------------------------|------------------------------------|---------------------------|---|
| 340-4N5  | 120V AC                        | 0.025                              | 0.062                     | 0.095 / 4                                 |
| 340-6N5  | 120V AC                        | 0.025                              | 0.070                     | 0.15 / 4                                  |
| 340-10N5 | 120V AC                        | 0.025                              | 0.070                     | 0.15 / 4                                  |
| 435-4G1  | 24V DC                         | 0.005                              | 0.062                     | 1.06 / 0.0001                             |
| 435-6G1  | 24V DC                         | 0.005                              | 0.062                     | 1.14 / 0.000125                           |
| 435-10G1 | 24V DC                         | 0.005                              | 0.062                     | 1.14 / 0.000125                           |

<sup>4</sup>AC voltage frequency is 60 Hz.

#### Weights and Dimensions

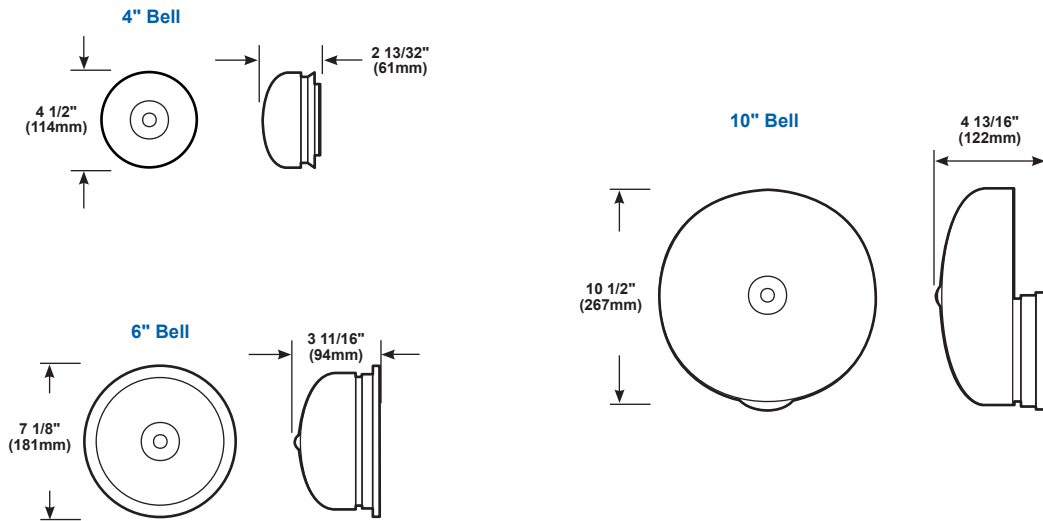
| Cat. No. <sup>5</sup> | Approx. Net Weight (lb.) | Approx. Shipping Weight (lb.) |
|-----------------------|--------------------------|-------------------------------|
| 340-4                 | 1.64                     | 1.80                          |
| 340-6                 | 4.20                     | 4.40                          |
| 340-10                | 6.45                     | 6.98                          |
| 435-4                 | 2.40                     | 2.60                          |
| 435-6                 | 3.00                     | 3.20                          |
| 435-8                 | 4.80                     | 5.00                          |
| 435-10                | 6.20                     | 6.40                          |

<sup>5</sup>Catalog number represents gong size and voltage range category.

# Bells Vibrating 340 and 435 Series

| Weights and Dimensions |                          | Continued                     |                   |                   |                    |                   |                |
|------------------------|--------------------------|-------------------------------|-------------------|-------------------|--------------------|-------------------|----------------|
| Cat. No. <sup>1</sup>  | Approx. Net Weight (lb.) | Approx. Shipping Weight (lb.) | Dimensions        |                   |                    |                   |                |
|                        |                          |                               | Diameter          | Depth             | Width              | Height            | Length         |
| 348                    | 0.92                     | 0.96                          | 5 1/8"<br>(130mm) | 1 5/8"<br>(41mm)  | —                  | —                 | —              |
| 349                    | 1.30                     | 1.56                          | 6 1/2"<br>(165mm) | 1 5/8"<br>(41mm)  | —                  | —                 | —              |
| 449                    | 1.13                     | 1.18                          | —                 | 2"<br>(51mm)      | 4 9/16"<br>(115mm) | 4 1/2"<br>(114mm) | —              |
| 511-A                  | 2.00                     | 2.50                          | —                 | —                 | —                  | 10"<br>(254mm)    | 10"<br>(254mm) |
| 512-A                  | 2.00                     | 2.50                          | —                 | —                 | —                  | 12"<br>(305mm)    | 12"<br>(305mm) |
| 513-A                  | 3.00                     | 3.50                          | —                 | —                 | —                  | 16"<br>(406mm)    | 16"<br>(406mm) |
| 511-1                  | 4.00                     | 5.00                          | —                 | 3 7/8"<br>(98mm)  | —                  | 8"<br>(203mm)     | 8"<br>(203mm)  |
| 512-1                  | 5.00                     | 6.00                          | —                 | 4 1/4"<br>(108mm) | —                  | 10"<br>(254mm)    | 10"<br>(254mm) |
| 513-1                  | 5.00                     | 6.00                          | —                 | 5"<br>(127mm)     | —                  | 14"<br>(357mm)    | 14"<br>(357mm) |

<sup>1</sup>Catalog number represents gong size and voltage range category.

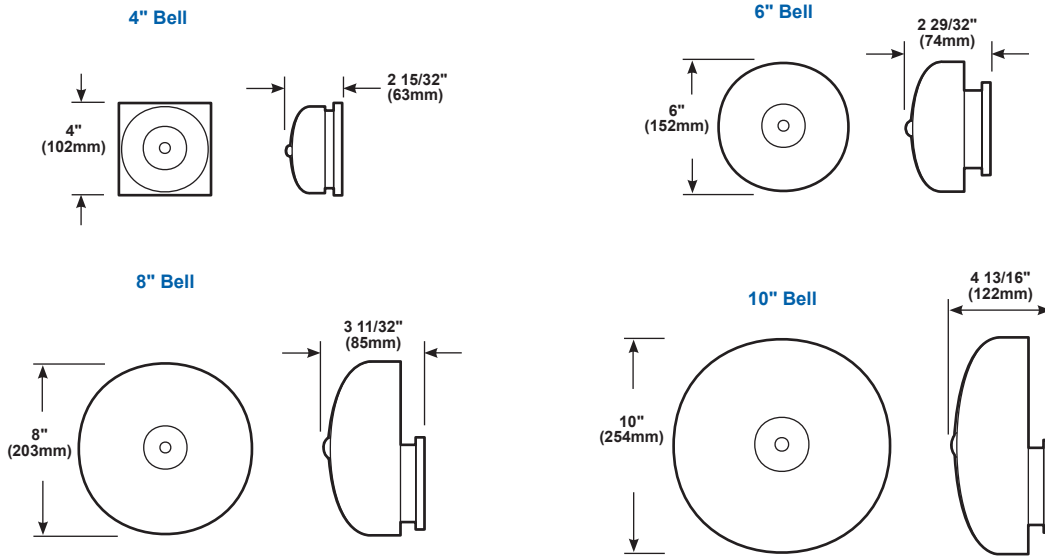


## 340 Series

**NOTE:** Mounts directly on surface or fits any single-gang box, 3 1/4" (83mm), 3 1/2" (89mm), or 4" (102mm) octagon box, or any plaster cover with mounting holes on 2 3/4" (70mm) centers. 6" and 10" bells also mount on 4" (102mm) square boxes.

# Bells Vibrating 340 and 435 Series

435 Series



**NOTE:** Mounts directly on surface or fits any single-gang box, 3 1/4" (83mm), 3 1/2" (89mm), or 4" (102mm) octagon box, or any plaster cover with mounting holes on 2 3/4" (70mm) centers. 6" and 10" bells also mount on 4" (102mm) square boxes.

# Bells Vibrating 340 and 435 Series

Edwards 340 Series and 435 Series are vibrating bells that produce a long, continuous ringing sound. The striker continues to strike the gong in rapid-fire as long as current is applied. Specified for timing, scheduling, paging and general alarm applications.

## Features and Specifications

- 4", 6" and 10" gong sizes in AC versions
- 4", 6", 8" and 10" gong sizes in DC versions
- Completely assembled with all hardware supplied
- Die cast housing
- Corrosion resistant heat flowed epoxy finish
- Mounts directly on surface or electrical box
- Optional flush mount grille and wall box available separately
- Self-compensating solenoid plunger
- FM approved (AC Bells only)



| Ordering Information |          | Operating Voltage | Current | VA          | Gong Size   | dB at 1m/10ft. | DC Coil Res (Ohms) |
|----------------------|----------|-------------------|---------|-------------|-------------|----------------|--------------------|
| AC                   | 340-4E5  | 12V AC            | 0.620 A | 7.4         | 4" (102mm)  | 98/88          | 13                 |
|                      | 340-6E5  | 12V AC            | 0.700 A | 8.4         | 6" (152mm)  | 102/92         | 8                  |
|                      | 340-4FM  | 16V AC            | 0.460 A | 7.4         | 4" (102mm)  | 98/88          | 22                 |
|                      | 340-6FM  | 16V AC            | 0.500 A | 8.0         | 6" (152mm)  | 102/92         | 13                 |
|                      | 340-4G5  | 24V AC            | 0.310 A | 7.4         | 4" (102mm)  | 98/88          | 50                 |
|                      | 340-6G5  | 24V AC            | 0.350 A | 8.4         | 6" (152mm)  | 102/92         | 30                 |
|                      | 340-10G5 | 24V AC            | 0.350 A | 8.4         | 10" (254mm) | 106/96         | 30                 |
|                      | 340-4N5  | 120V AC           | 0.062 A | 7.4         | 4" (102mm)  | 98/88          | 1300               |
|                      | 340-6N5  | 120V AC           | 0.070 A | 8.4         | 6" (152mm)  | 102/92         | 700                |
|                      | 340-10N5 | 120V AC           | 0.070 A | 8.4         | 10" (254mm) | 106/96         | 700                |
|                      | 340-4R5  | 240V AC           | 0.031 A | 7.4         | 4" (102mm)  | 98/88          | 5000               |
|                      | 340-6R5  | 240V AC           | 0.350 A | 8.4         | 6" (152mm)  | 102/92         | 2650               |
| 340-10R5             | 240V AC  | 0.350 A           | 8.4     | 10" (254mm) | 106/96      | 2650           |                    |
| DC                   | 435-4C1  | 6V DC             | 0.250 A | 1.5         | 4" (102mm)  | 100/90         | 11                 |
|                      | 435-6C1  | 6V DC             | 0.250 A | 1.5         | 6" (152mm)  | 102/92         | 11                 |
|                      | 435-8C1  | 6V DC             | 0.250 A | 1.5         | 8" (203mm)  | 103/93         | 11                 |
|                      | 435-4E1  | 12V DC            | 0.125 A | 1.5         | 4" (102mm)  | 100/90         | 40                 |
|                      | 435-6E1  | 12V DC            | 0.125 A | 1.5         | 6" (152mm)  | 102/92         | 40                 |
|                      | 435-8E1  | 12V DC            | 0.125 A | 1.5         | 8" (203mm)  | 103/93         | 40                 |
|                      | 435-10E1 | 12V DC            | 0.125 A | 1.5         | 10" (254mm) | 104/94         | 40                 |
|                      | 435-4G1  | 24V DC            | 0.062 A | 1.5         | 4" (102mm)  | 100/90         | 155                |
|                      | 435-6G1  | 24V DC            | 0.062 A | 1.5         | 6" (152mm)  | 102/92         | 155                |
|                      | 435-8G1  | 24V DC            | 0.062 A | 1.5         | 8" (203mm)  | 103/93         | 155                |
|                      | 435-10G1 | 24V DC            | 0.062 A | 1.5         | 10" (254mm) | 104/94         | 155                |
|                      | 435-4J1  | 32V DC            | 0.047 A | 1.5         | 4" (102mm)  | 100/90         | 275                |
|                      | 435-6J1  | 32V DC            | 0.047 A | 1.5         | 6" (152mm)  | 102/92         | 275                |
|                      | 435-6K1  | 48V DC            | 0.031 A | 1.5         | 6" (152mm)  | 102/92         | 620                |
|                      | 435-4P1  | 125V DC           | 0.012 A | 1.5         | 4" (102mm)  | 100/90         | 3000               |
|                      | 435-6P1  | 125V DC           | 0.012 A | 1.5         | 6" (152mm)  | 102/92         | 3000               |
|                      | 435-8P1  | 125V DC           | 0.012 A | 1.5         | 8" (203mm)  | 103/93         | 3000               |
|                      | 435-10P1 | 125V DC           | 0.012 A | 1.5         | 10" (254mm) | 104/94         | 3000               |
| 435-6S1              | 250V DC  | 0.008 A           | 2.0     | 6" (152mm)  | 100/90      | 6100           |                    |
| 435-10S1             | 250V DC  | 0.008 A           | 2.0     | 10" (254mm) | 100/90      | 6100           |                    |



# Bells

## Vibrating

### 340 and 435 Series

#### Accessories

| Description                                   | Cat. No.           |
|---|--------------------|
| Outdoor Back Box for 4" AC Bells              | 348                |
| Outdoor Back Box for 6" Bells or 10" AC Bells | 349                |
| Outdoor Back Box for DC Bells                 | 449                |
| Flush Mount Grille for 4" Bells               | 511-A <sup>1</sup> |
| Flush Mount Grille for 6" Bells               | 512-A <sup>2</sup> |
| Flush Mount Grille for 10" Bells              | 513-A <sup>3</sup> |
| Wall Box for 4" Bells                         | 511-1              |
| Wall Box for 6" Bells                         | 512-1              |
| Wall Box for 10" Bells                        | 513-1              |

<sup>1</sup>511-A must be used with 511-1.

<sup>2</sup>512-A must be used with 512-1.

<sup>3</sup>513-A must be used with 513-1.



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#### Signal Input Load Characteristics

These devices may be operated by PLCs with output characteristics that match the input load requirements of the signal.

| Cat. No. | Operating Voltage <sup>4</sup> | Max. Off State Leakage Current (A) | Continuous On Current (A) | Surge (Inrush/Duration) Amps/Milliseconds |
|----------|--------------------------------|------------------------------------|---------------------------|---|
| 340-4N5  | 120V AC                        | 0.025                              | 0.062                     | 0.095 / 4                                 |
| 340-6N5  | 120V AC                        | 0.025                              | 0.070                     | 0.15 / 4                                  |
| 340-10N5 | 120V AC                        | 0.025                              | 0.070                     | 0.15 / 4                                  |
| 435-4G1  | 24V DC                         | 0.005                              | 0.062                     | 1.06 / 0.0001                             |
| 435-6G1  | 24V DC                         | 0.005                              | 0.062                     | 1.14 / 0.000125                           |
| 435-10G1 | 24V DC                         | 0.005                              | 0.062                     | 1.14 / 0.000125                           |

<sup>4</sup>AC voltage frequency is 60 Hz.

#### Weights and Dimensions

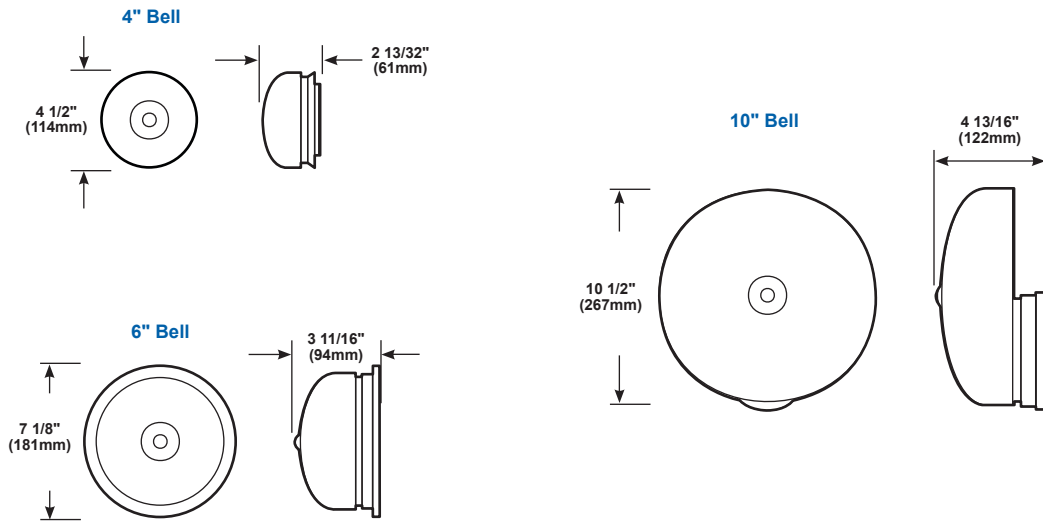
| Cat. No. <sup>5</sup> | Approx. Net Weight (lb.) | Approx. Shipping Weight (lb.) |
|-----------------------|--------------------------|-------------------------------|
| 340-4                 | 1.64                     | 1.80                          |
| 340-6                 | 4.20                     | 4.40                          |
| 340-10                | 6.45                     | 6.98                          |
| 435-4                 | 2.40                     | 2.60                          |
| 435-6                 | 3.00                     | 3.20                          |
| 435-8                 | 4.80                     | 5.00                          |
| 435-10                | 6.20                     | 6.40                          |

<sup>5</sup>Catalog number represents gong size and voltage range category.

# Bells Vibrating 340 and 435 Series

| Weights and Dimensions |                          | Continued                     |                   |                   |                    |                   |                |
|------------------------|--------------------------|-------------------------------|-------------------|-------------------|--------------------|-------------------|----------------|
| Cat. No. <sup>1</sup>  | Approx. Net Weight (lb.) | Approx. Shipping Weight (lb.) | Dimensions        |                   |                    |                   |                |
|                        |                          |                               | Diameter          | Depth             | Width              | Height            | Length         |
| 348                    | 0.92                     | 0.96                          | 5 1/8"<br>(130mm) | 1 5/8"<br>(41mm)  | —                  | —                 | —              |
| 349                    | 1.30                     | 1.56                          | 6 1/2"<br>(165mm) | 1 5/8"<br>(41mm)  | —                  | —                 | —              |
| 449                    | 1.13                     | 1.18                          | —                 | 2"<br>(51mm)      | 4 9/16"<br>(115mm) | 4 1/2"<br>(114mm) | —              |
| 511-A                  | 2.00                     | 2.50                          | —                 | —                 | —                  | 10"<br>(254mm)    | 10"<br>(254mm) |
| 512-A                  | 2.00                     | 2.50                          | —                 | —                 | —                  | 12"<br>(305mm)    | 12"<br>(305mm) |
| 513-A                  | 3.00                     | 3.50                          | —                 | —                 | —                  | 16"<br>(406mm)    | 16"<br>(406mm) |
| 511-1                  | 4.00                     | 5.00                          | —                 | 3 7/8"<br>(98mm)  | —                  | 8"<br>(203mm)     | 8"<br>(203mm)  |
| 512-1                  | 5.00                     | 6.00                          | —                 | 4 1/4"<br>(108mm) | —                  | 10"<br>(254mm)    | 10"<br>(254mm) |
| 513-1                  | 5.00                     | 6.00                          | —                 | 5"<br>(127mm)     | —                  | 14"<br>(357mm)    | 14"<br>(357mm) |

<sup>1</sup>Catalog number represents gong size and voltage range category.

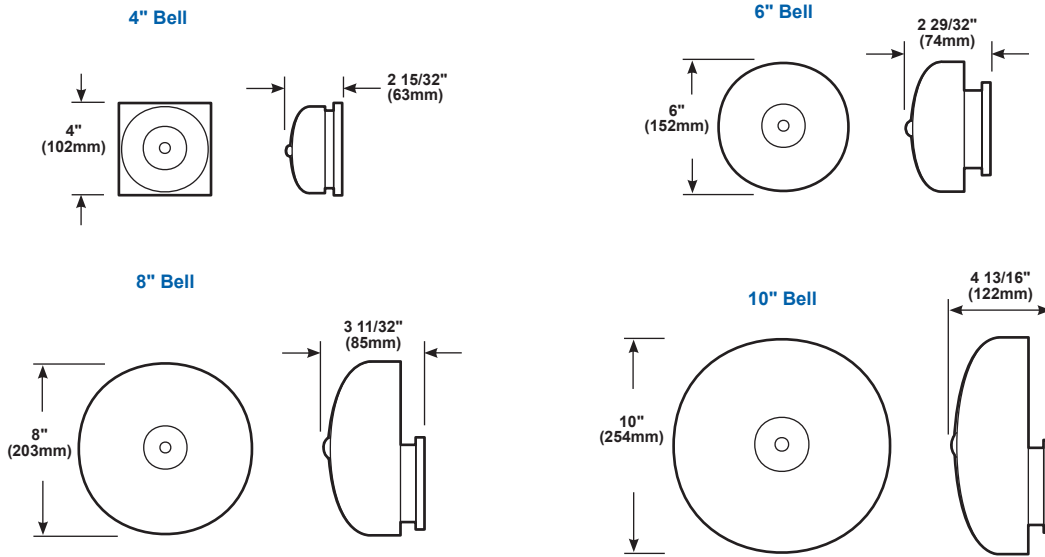


## 340 Series

**NOTE:** Mounts directly on surface or fits any single-gang box, 3 1/4" (83mm), 3 1/2" (89mm), or 4" (102mm) octagon box, or any plaster cover with mounting holes on 2 3/4" (70mm) centers. 6" and 10" bells also mount on 4" (102mm) square boxes.

# Bells Vibrating 340 and 435 Series

435 Series



**NOTE:** Mounts directly on surface or fits any single-gang box, 3 1/4" (83mm), 3 1/2" (89mm), or 4" (102mm) octagon box, or any plaster cover with mounting holes on 2 3/4" (70mm) centers. 6" and 10" bells also mount on 4" (102mm) square boxes.