

Models 6300/6301/6310/6311 Mini-Horns and 6304/6314 Mini-Horn Strobes (Adapter Series)

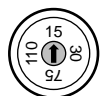
Features

- **The Adapter™** feature offers four field selectable candela strobe values – 15/75, 30/73, 75 or 110
- Strobe operates in either sync or non-sync modes
- Steady-tone or temporal horn (92 dB @ 10 ft. typical) with 15 mA horn current
- Single gang and universal mount configurations
- UL 1971 & UL 464 listed, all other listings pending
- UL 1971 listed for both wall and ceiling mount
- ADA/NFPA/ANSI compliant
- Screw terminals accept 12 awg wire
- Strobe synchronization requires the 5406 Sync Control Module
- Made in U.S.A., ISO 9001 quality crafted

Description

All models provide a continuous or coded horn signal, depending on the pattern of the voltage applied. Additionally models 6310, 6311 and 6314 provide a field selectable temporal tone.

The Adapter feature offers four field selectable candela settings – 15/75, 30/75, 75 or 110



Detail – Adapter selector switch

Models 6300 & 6310 mount on a single gang box while the 6301, 6311, 6304 & 6314 have a universal mounting plate to mount on a single gang, double gang or 4" square back box.

Faraday notification devices are designed with the installer in mind. They are constructed with all of the electronics inside the housing and not in the box. This design helps eliminate possible ground faults from crowded electrical boxes.



The strobe construction consists of a Xenon flashtube with solid state circuitry for maximum reliability and efficiency. The full range of strobes have a rounded dome shape made of clear Polycarbonate.

Strobe synchronization requires the 5406 Sync Control Module.

Engineering Specifications

The audible/visual notification appliances shall be Faraday Series 6304 or 6314 Selectable Candela Strobe - Mini-Horns, or approved equal. The audible appliances shall be Faraday Series 6300, 6301, 6310, or 6311 Mini-Horns, or approved equal. The Series 6304 and 6314 visual segment shall be the Adapter Selectable Candela Strobe and shall be listed to UL1971 (Standard for Safety Signaling Devices for the Hearing Impaired). The Series 6304, 6314, 6300, 6301, 6310, and 6311 audibles shall be UL listed under Standard 464 (Fire Protective Signaling). The appliances shall be listed for indoor applications and shall be ADA/NFPA/ANSI compliant.

The strobe segment of the Series 6304 and 6314 shall produce a flash rate of one (1) flash per second over the Operating Voltage Range Limits. The strobe shall consist of a xenon flash tube enclosed in a rugged clear polycarbonate lens. The strobe shall be of a low current design, and shall provide a minimum of four (4) field selectable strobe intensity settings, 15/75, 30/75, 75,

and 110 candela. All settings shall be UL1971 listed for both wall and ceiling mount applications. The selector switch shall be tamper resistant. It shall not be necessary to remove the appliance from the mounting surface to select the strobe intensity. When strobe synchronization is required, the Strobe shall be compatible with the Faraday 5406 Sync Module, or other source of Faraday Sync Protocol, and shall not drift out of synchronization.

The Series 6304 audible segment, and the Series 6300 and 6301 audibles, shall provide a continuous or coded tone signal, depending upon the pattern of the voltage applied. In addition, the Series 6314 audible segment, and the Series 6310 and 6311 audibles shall also provide a field selectable temporal tone.

The Series 6304, 6314, 6301, and 6311 shall include a Universal Mounting Plate that shall allow mounting to single-gang, two-gang, and 4" square backboxes, as well as Faraday 3046 and 3047 Surface Boxes.

The Series 6300 and 6310 shall be designed specifically for mounting to a single-gang backbox.

Specifications

Environmental

32°F to 120°F (0°C to 49°C) at 85% RH

Primary Input Voltage:

Horn: 20-31 Vdc or VFWR

Strobe: Operating voltage range limits
16-33 Vdc or VFWR

Horn Current

15 mA

Typical dB Rating @ 10 Feet

92 dB

Note: Typical readings are frontal sound readings taken with a dB meter with signal mounted on wall.

Mounting

6300 & 6310: mount to 1 gang box

6301, 6304, 6311 & 6314: universal mounting plate for 1 gang, 2 gang or 4" square box

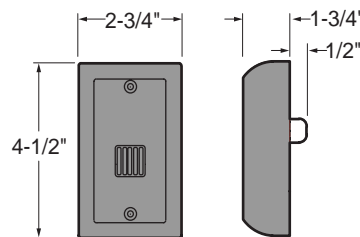
Shipping Weights

6300 & 6310: 5 oz. approx.

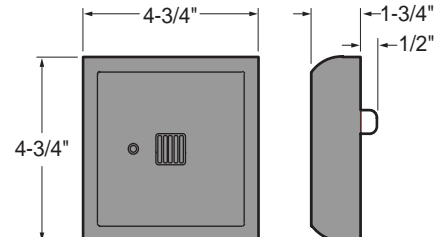
6301 & 6311: 8 oz. approx.

6304 & 6314: 12 oz. approx.

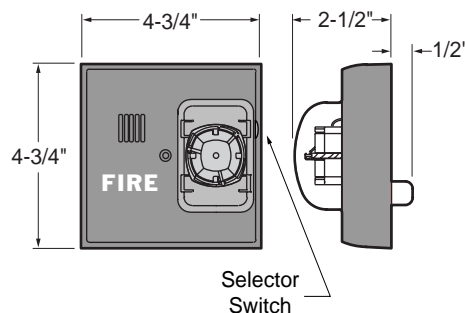
Physical Dimensions



Model 6300 & 6310



Model 6301 & 6311



Model 6304 & 6314

Ordering Information

DC Steady Tone Horns & Horn Strobes

Part Number	Candela	Strobe Current @ 24 Vdc	Horn Current
6300B-0-(*)-24-DC	n/a	n/a	15 mA
6301B-0-(*)-24-DC	n/a	n/a	15 mA
6304B-(*)-24	15/75 Cd Strobe	63 mA	15 mA
	30/75 Cd Strobe	84 mA	15 mA
	75 Cd Strobe	143 mA	15 mA
	110 Cd Strobe	178 mA	15 mA

Accessories

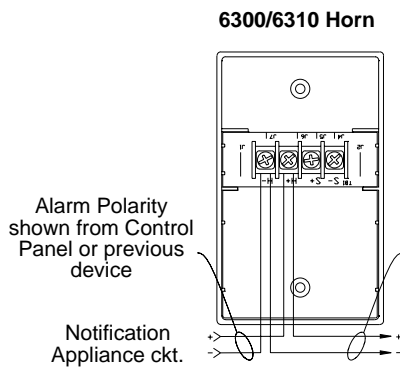
Part No.	Description
3017B-0-(*)	Flush or surface box, 1-9/16" (D)
3046B-0-(*)	Surface box, 2" (D)
3047B-0-(*)	Surface box, 2-3/4" (D)
3048B	Flush box, 2-3/4" (D)
5406B-0-(*)-24-DC	Sync control module

DC Electronic Steady Tone/Temporal Horns and Horn Strobes

6310B-0-(*)-24-DC	n/a	n/a	15 mA
6311B-0-(*)-24-DC	n/a	n/a	15 mA
6314B-(*)-24	15/75 Cd Strobe	63 mA	15 mA
	30/75 Cd Strobe	84 mA	15 mA
	75 Cd Strobe	143 mA	15 mA
	110 Cd Strobe	178 mA	15 mA

* (14) red & (21) off-white

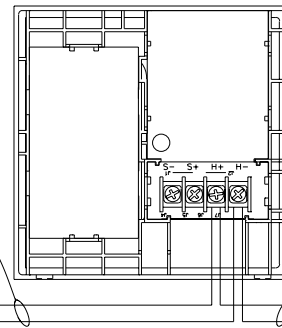
Wiring



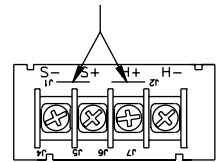
To next device or E.O.L. (Style W/Y-Class "B" ccts.) or return to F.A.C.P. (Style X/Z-Class "A" ccts.)

Notification Appliance ckt.

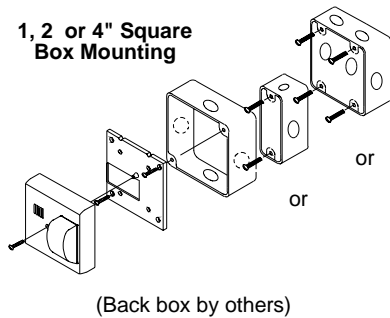
6304/6314 Horn Strobe (Strobe & Horn on same circuits)



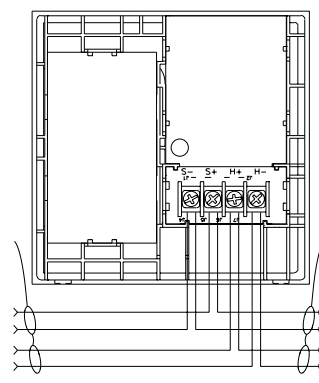
Leave jumpers in place if strobe and audible signal are to operate on the same circuit.



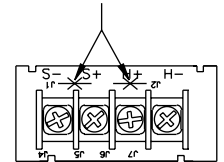
To next device or E.O.L.



6304/6314 Horn Strobe (Strobe & Horn on separate circuits)



Cut jumpers to power audible signal and strobe from separate circuits



To next device or E.O.L. (Style W/Y-Class "B" ccts.) or return to F.A.C.P. (Style X/Z-Class "A" ccts.)

Notes:

6310, 6311, 6314 devices must be connected to compatible non-pulsing signal circuits when temporal tone is chosen. Steady current output and appropriate voltage required. When audible signal and strobe are connected to same notification appliance circuit, current rating is combination of audible signal and strobe current.



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