SERIES CH
CHIME STROBES



Description

Series CH Electronic Chimes/Strobes combine a unique solid state chime appliance with a range of strobe models. These unique solid-state chime appliances provide field selectable single-stroke or vibrating operation with sound levels adjustable up to 83 dB and tone adjustable from 800 to 1200 Hz.

They are available in two attractive package styles for flush mounting to standard electrical boxes or convenient surface mounting.

The CH70 model incorporates a patent pending chime mounting plate for faster, easier, level installation with a new aesthetic two (2) screw grill cover for a more pleasing appearance. Additionally, the Series CH70 Chime Strobe models incorporate the Lower Current, Zero Inrush Series RSS Non-Sync/ Sync Strobes (synchronization of the strobe flash is achieved when used with Gamewell's SM or DSM sync modules or FF8 Power Supply with Patented Sync Protocol).

Series CH Chime Strobes are designed for maximum performance, reliability and cost-effectiveness while meeting or exceeding the latest visible signaling requirements of NFPA 72 (National Fire Alarm Code), ANSI 117.1 (American National Standard of Accessible and Usable Buildings and Facilities) and UL Standard 1971 (Standard for Signaling Devices for the Hearing Impaired). CH Chime Strobes, when properly specified and installed in accordance with NFPA/ANSI Standards, can provide the Equivalent Facilitation allowed under ADA Accessibility Guidelines (ADAAG General Section 2.2) by meeting or exceeding the illumination which results from the ADA specified strobe intensity of 75 candela at 50 feet. This is an illumination of 0.030 lumens per square foot.

They incorporate a Xenon flashtube with solid state circuitry enclosed in a rugged Lexan® lens to provide maximum reliability for effective visual signaling.

Engineer Specifications

The chime appliances shall be CH Chimes Strobe Appliance. The chime strobes shall be listed under UL Standard 1971 for Signaling Devices for the Hearing Impaired. In addition, the strobes shall be certified to meet the requirements of FCC Part 15, Class B and shall incorporate low temperature compensation to ensure the lowest possible current consumption. All chimes shall use solid state components and shall provide field selectable single stroke or vibrating operation with volume control and tone control.

Approvals

UL 1971, 464 Listed

California State Fire Marshal (CSFM)

City of Chicago (BFP) Approved

Meets ADA accessbility guidelines and

OSHA 29 Part 1910.165.

Features

- Field Selectable single Stroke or Vibrating operation
- Volume and Tone Control
- 24 VDC
- Low Current Draw with Zero Inrush
- Terminals Accept #18 to #12 AWG Wires
- Polarized Inputs
- Flush or Surface Mount
- Synchronized/Non Synchronized Strobes
- Field Selectable Candela Strobe (Multi-candela models)
- Fixed Candela Models

Engineer Specifications

All models shall have a sound output of 83 dBA at 10 feet and a listed frequency response rate of 800 to 1200 Hz. All inputs shall employ terminals that accept #12 to #18 AWG wire sizes. The strobe portion of the appliance shall produce a flash rate of one (1) flash per second over the Regulated Input Voltage Range of 16 to 33 VDC for 24 VDC models and shall incorporate a Xenon flashtube enclosed in a rugged Lexan ® lens. The strobe shall be of low current design and shall have Zero Inrush. The strobe intensity shall have a minimum of four (4) field selectable settings and shall be rated per UL 1971 for: 15, 30, 75 or 110 candela (wall mount versions). The switch for selecting the candela setting shall be located on the rear of the appliance in order to prevent tampering from unauthorized persons. When synchronization is required, the strobe portion of the appliance shall be compatible with the SM, DSM sync modules or FF8 Power Supply. The strobes shall not drift out of synchronization at any time during operation. If the sync module or Power Supply fails to operate, (i.e., contacts remain closed), the strobe shall revert to a non-synchronized flash rate. The chime and the chime strobe appliances shall be designed for indoor surface or flush mounting. The Chime Strobe shall be Gamewell MOdel 72041 or 72042.

Specifications

Part No.	Model	Strobe Candela	Anechoic Peak dBA @10'	dBA @10' Reverberant Min	dBA @10' Reverberant Max	Rated Current
72041	CH70-24MCW-FR	15/30/75/110	83	52	58	*.020 Chime Only
72042	CH70-24MCW-FW	10/30/75/110	83	52	58	*.020 Chime Only
71761	CH70-241575W-FR	15/75	83	52	58	.085

*** Multi-candela Average Strobe Current @ 24VDC**

15CD	30CD	75CD	110CD
.047	.081	.128	.166

Notes:

- Strobes are designed to flash at 1 flash per second minimum from 20-31VDC. Note that NFPA-72 (1999) specifies a flash rate of 1 to 2 flashes per second and ADA Guidelines specify a flash rate of 1 to 3 flashes per second.
- All candela ratings represent minimum effective strobe intensity based on UL 1971.
- Series CH Strobe products are UL 1971 for indoor use with a temperature range of 32° F to 120° F (0°C to 49°C) and maximum humidity of 85%.

Ordering Information

Part Number	Description
CH Series provide Synchronized Strobe with 71548 or 71549 Sync Modules	
72041	Selectable Candela Chime Strobe, Wall Mount, 24VDC, Red (CH70-24MCW-FR)
72042	Selectable Candela Chime Strobe, Wall Mount, 24VDC, White (CH70-24MCW-FW)
71761	15/75CD Chime Strobe, .065 Amp, Wall Mount, 24VDC, Red (CH70-241575W-FR)
Mounting Accessories for CH Series Chime Strobes	
BO*	4" Sq. Deep w/Extension Ring
70418	Backbox, Surface Mount, 5-1/2" x 5-9/16" x 3-9/16", Red (SBB-R)
71643	Backbox, Surface Mount, 10-15/16" x 6-7/64" x 1-11/16", Red (SBL2-R)
68292	Plate, Semi-Flush, 6" Square x 5/16"D, Red (SFP-R)
71317	Molded Extender, 5-1/4" Square x 25/32"D, Red (ISP-R)
71318	Retrofit Plate, 8" x 5-7/8" x 13/32", Red (RP-R)
BO*	Items purchased by others. For more details, refer to CS-2248.

Specifications and wiring information are provided for information only and are believed to be accurate. Gamewell assumes no responsibility for their use. Data and design are subject to change without notice. Installation and wiring instructions shipped with the product shall always be used for actual installation. For more information, contact Gamewell.

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