NOTIFIER® by Honeywell

SWIFT Wireless AV Base

General

The **NOTIFIER SWIFT® AV bases WAV-CRL, WAV-CWL, WAV-RL, and WAV-WL** are intended for use with compatible System Sensor L-Series AV notification appliances to meet a comprehensive range of notification requirements. The AV Base provides power for the audio and visual signals and supports wireless communication with the Fire Alarm Control Panel (FACP). The L-Series AV notification appliance is mounted directly to the wireless AV base allowing flexibility in color, placement and signal output.

Power is supplied through two sets of 4 batteries – one set provides power for wireless communication, and the other set provides power for the notification appliance's audio and/or visual signal. Battery life of the wireless portion is UL listed for at least 2 years. Battery life for the AV set of batteries depends upon the activation time and output level of the audio or visual signal. The AV base boosts output voltage to support 24 VDC options on connected devices.

The SWIFT synchronization module (W-SYNC) can be used to provide audio and visual synchronization between SWIFT notification appliances and System Sensor wired notification appliances. The wireless synchronization module operates from 24 V power with supplemental battery support and communicates through the mesh network to the gateway and FACP. Synchronization is only available with notification appliances that use the System Sensor synchronization protocol. Synchronization of the SWIFT notification appliances within a single mesh network is inherent in the wireless system and a wireless synchronization module is not needed. The W-SYNC also provides wireless control and monitoring of a Notification Appliance Circuit (NAC) expander or power supply.

SWIFT SYSTEM OVERVIEW

The SWIFT Smart Wireless Integrated Fire Technology wireless system offers intelligent (addressable) devices which provide secure, reliable communication to the Fire Alarm Control Panel (FACP) across a Class A mesh network. Wireless devices create an opportunity for applications where it is costly (concrete walls/ceilings, buried wires), obtrusive (surface mount conduit), or possibly dangerous (asbestos) to use traditional wired devices. It allows fast installation for time-critical situations and provides the flexibility to add wireless onto wired systems for retrofit installations. Both wired and wireless devices can be present on the same FACP for an integrated solution.

The mesh network within the SWIFT system creates a child-parent relationship between the devices so that each device has two parents providing a second path for communications on every device. If one device can no longer operate for any reason, the rest of the devices can still communicate with each other, directly or through one or more intermediate devices. Once an initial mesh network is formed, mesh restructuring automatically occurs to find the strongest paths possible within the network.

Features

- Converts compatible System Sensor L-Series AV appliances to addressable wireless AV appliances
- Wireless installation
- Class A mesh network
- Addressable code wheels
- Commercial applications
- Listed to UL 464, UL 1638, and UL 1971
- Frequency hopping
- Bi-Directional Communications



Specifications

PHYSICAL/OPERATING SPECIFICATIONS

- **Dimensions (Ceiling):** Diameter 7.4" (19 cm); Depth 1.6" (4 cm)
- **Weight:** 20.0 oz (567 g) installed with 8 batteries

ELECTRICAL SPECIFICATIONS

- **Maximum Transmit RF Power:** 17 dBm
- **Radio Frequency Range:** 902-928 MHz
- **Operating Humidity Range:** 10% to 93% Relative Humidity, Non-condensing
- **Operating Temperature Range:** 32°F to 120°F (0°C to 49°C)
- **Battery Type:** 8 Panasonic® CR123A or 8 Duracell® DL123A
- **Battery Life:**
  RF batteries: 2 year minimum.
  AV batteries: See battery life table.
- **Battery Replacement:** Replace during annual maintenance or when TROUBLE BATTERY LOW displays.

Ordering Information

- **W-BATCART:** Wireless battery cartridge 10-pack
- **SMB500-WH:** White surface mount back box
- **WAV-CRL:** Wireless AV base, ceiling, red
- **WAV-CWL:** Wireless AV base, ceiling, white
- **WAV-RL*:** Wireless AV base, wall, red
- **WAV-WL*:** Wireless AV base, wall, white
- **W-SYNC:** Wireless sync module

***NOTE:** WAV-RL & WAV-WL are compatible with wall-mount L-Series devices manufactured after 26 April 2019 (date code 9045 and later). WAV-CRL and WAV-CWL are compatible with all ceiling-mount L-Series devices.*

COMPATIBLE EQUIPMENT

Note: ULC-listed models have all required languages.

Model (UL listed)	Model (ULC listed)	Description
CHRL	CHRLA*	Chime Red Wall
CHSCRL	CHSCRLA*	Chime/Strobe Red Ceiling
	CHSCRLA-E	Chime/Strobe Red Ceiling, English
	CHSCRLA-F	Chime/Strobe Red Ceiling, French
CHSCWL	CHSCWLA*	Chime Strobe White Ceiling
	CHSCWLA-E	Chime/Strobe White Ceiling, English
	CHSCWLA-F	Chime/Strobe White Ceiling, French
CHSRL	CHSRLA*	Chime Strobe Red Wall
	CHSRLA-E	Chime/Strobe Red Wall, English
	CHSRLA-F	Chime/Strobe Red Wall, French
CHSWL	CHSWLA	Chime Strobe White Wall
	CHSWLA-E	Chime/Strobe White Wall, English
	CHSWLA-F	Chime/Strobe White Wall, French
CHWL	CHWLA	Chime White Wall
HCRL-LF	HCRLA-LF*	520Hz Sounder Red Ceiling
HRL	HRLA	Horn Red Wall
HRL-LF	HRLA-LF*	520Hz Sounder Red Wall
HCWL-LF	HCWLA-LF*	520Hz Sounder White Ceiling
HWL	HWLA	Horn White Wall
HWL-LF	HWLA-LF*	520Hz Sounder White Wall
P2RL	P2RLA*	Horn/Strobe 2-wire Red Wall
	P2RLA-E	Horn/Strobe 2-wire Red Wall, English
	P2RLA-F	Horn/Strobe 2-wire Red Wall, French
P2RL-LF	P2RLA-LF*	520Hz Sounder/Strobe Red Wall
P2RL-P	P2RLA-P	Horn Strobe 2-wire Red Wall, Plain
P2RL-SP	—	Horn Strobe 2-wire Red Wall, Fuego
P2WL	P2WLA	Horn Strobe 2-wire White Wall
	P2WLA-E	Horn/Strobe 2-wire White Wall, English
	P2WLA-F	Horn/Strobe 2-wire White Wall, French
P2WL-LF	P2WLA-LF*	520Hz Sounder/Strobe White Wall
P2WL-P	P2WLA-P	Horn Strobe 2-wire White Wall, Plain
P2WL-SP	—	Horn Strobe 2-wire White Wall, Fuego
PC2RL	PC2RLA*	Horn Strobe 2-wire Red Ceiling
	PC2RLA-E	Horn/Strobe 2-wire Red Ceiling, English
	PC2RLA-F	Horn/Strobe 2-wire Red Ceiling, French
PC2WL	PC2WLA*	Horn Strobe 2-wire White Ceiling
	PC2WLA-E	Horn/Strobe 2-wire White Ceiling, English
	PC2WLA-F	Horn/Strobe 2-wire White Ceiling, French
SCRL	SCRLA*	Strobe Red Ceiling
	SCRLA-E*	Strobe Red Ceiling, English
	SCRLA-F	Strobe Red Ceiling, French
SCWL	SCWLA*	Strobe White Ceiling
	SCWLA-E	Strobe White Ceiling, English
	SCWLA-F	Strobe White Ceiling, French
SCWL-CLR-ALERT	—	Strobe White Ceiling Clear Lens Alert
SRL	SRLA*	Strobe Red Wall
	SRLA-E	Strobe Red Wall, English
	SRLA-F	Strobe Red Wall, French
SRL-P	SRLA-P	Strobe Red Wall, Plain
SRL-SP	—	Strobe Red Wall, Fuego
SWL	SWLA*	Strobe White Wall
	SWLA-E	Strobe White Wall, English
	SWLA-F	Strobe White Wall, French
SWL-ALERT	—	Strobe White Wall, Amber Lens
SWL-CLR-ALERT	—	Strobe White Wall, Clear Lens
SWL-P	SWLA-P	Strobe White Wall, Plain

*Bilingual Canadian model

AV BATTERY LIFE: TEMPORAL 3, AMBIENT CONDITIONS

AV Battery Life at Temporal 3, Ambient Conditions											
Model	**Model Type**	**Battery Life (Minutes), per Candela Setting**									
		Minutes at 15 cd	**Minutes at 30 cd**	**Minutes at 75 cd**	**Minutes at 95 cd**	**Minutes at 110 cd**	**Minutes at 115 cd**	**Minutes at 135 cd**	**Minutes at 150 cd**	**Minutes at 177 cd**	**Minutes at 185 cd**
Chime-only	Wall	127h 23m	—	—	—	—	—	—	—	—	—
	Ceiling	—	—	—	—	—	—	—	—	—	—
Horn-only	Wall	31h 51m	—	—	—	—	—	—	—	—	—
	Ceiling	—	—	—	—	—	—	—	—	—	—
Strobe-only	Wall	20h 44m	14h 09m	8h 20m	7h 22m	6h 02m	—	5h 11m	—	—	4h 01m
	Ceiling	21h 45m	14h 09m	8h 02m	6h 39m	—	5h 39m	—	4h 43m	3h 57m	—
Chime-Strobe	Wall	18h 12m	12h 55m	7h 58m	6h 31m	5h 18m	—	4h 26m	—	—	3h 37m
	Ceiling	18h 35m	12h 44m	7h 41m	6h 28m	—	5h 24m	—	4h 29m	3h 45m	—
Horn-Strobe	Wall	16h 31m	12h 03m	7h 22m	6h 17m	5h 30m	—	4h 33m	—	—	3h 38m
	Ceiling	12h 34m	9h 54m	6h 14m	5h 24m	—	4h 46m	—	4h 07m	3h 31m	—
Low-Freq. Sounder-Only	Wall	8h 15m	—	—	—	—	—	—	—	—	—
	Ceiling	8h 15m	—	—	—	—	—	—	—	—	—
Low-Freq. Sounder-Strobe	Wall	—	9h 6m	7h 45m	5h 39m	4h 56m	4h 54m	—	4h 12m	—	—
Battery life will decrease using continuous tone or other coded patterns and under non-ambient environmental conditions.											

Standards

The WAV-CRL, WAV-CWL, WAV-RL, and WAV-WL SWIFT Wireless AV Base is designed to comply with the following standards:

- UL 864 9th Edition and 10th edition
- NFPA 72

Agency Listings and Approvals

These listings and approvals apply to the modules specified in this document. In some cases, certain modules or applications may not be listed by certain approval agencies, or listing may be in process. Consult the factory for the latest listing status.

- **UL/ULC Listed:** S4011
- **FM Approved:** 3062564
- **CSFM:** 7300-1653:0513

NOTIFIER
12 Clintonville Road
Northford, CT 06472
203.484.7161
www.notifier.com

ISO 9001 CERTIFIED
ENGINEERING & MANUFACTURING QUALITY SYSTEMS

This document is not intended to be used for installation purposes.
We try to keep our product information up-to-date and accurate.
We cannot cover all specific applications or anticipate all requirements.
All specifications are subject to change without notice.

NOTIFIER®, **System Sensor®**, and **SWIFT®** are registered trademarks of Honeywell International Inc. Duracell® is a registered trademark of Duracell U.S. Operations Inc. Panasonic® is a registered trademark of Panasonic Corporation.
©2020 by Honeywell International Inc. All rights reserved. Unauthorized use of this document is strictly prohibited.

Country of Origin: Mexico

NOTIFIER® by Honeywell