



NYC Department of Buildings
 280 Broadway, New York, NY 10007
 Patricia Lancaster, FAIA, Commissioner
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Report of Materials and Equipment Acceptance Division

Pursuant to Administrative Code Section 27-131, the following equipment or material has been found acceptable for use subject to the terms and conditions contained herein.

MEA 452-05-E

Manufacturer: System Sensor, Unicorporated Division of Honeywell International Inc. 3825 Ohio Avenue, St. Charles, Illinois 60174,

Trade Name(s): System Sensor.

Product: Fire Alarm Equipment

Pertinent Code Section(s): RS 17-3, RS 4-6 (886-89-BCR), Subchapter 17.

Test(s): Indoor Strobes – 1971. Outdoor “K” Strobes – 1971 & 1638. Indoor Horns and Chimes Alone – 464. Indoor Horn/Strobes and Chime/Strobes – 1971 & 464. Outdoor “K” Horns Alone – 464. Outdoor “K” Horn/Strobes – 464, 1971 & 1638.

Laboratory: Underwriters Laboratories Inc.

Test Report(s): S5512, Vol. 5, Sec. 2, issued October 31, 2005, revised November 18, 2995, Project 05NK16425, S4011, Vol. 7, Sec. 2 issued October 31, 2005, Project 05NK16436.

Description – Fire Alarm Equipment

INDOOR STROBES

Operating voltages
 All STD CD Strobes — 8-17.5 or 16-33 VDC/FWR
 All HI CD Strobes — 16-33 VDC/FWR

Standard Operating Temperature
 32 Degrees F to 120 Degrees F (0 Degrees C to 49 Degrees C)
 The models that should be on this application are as follows:

Model	Description
SR	2 Wire Wall Strobe STD CD RED
SRH	2 Wire Wall Strobe HI CD RED
SW	2 Wire Wall Strobe STD CD WHITE
SWH	2 Wire Wall Strobe HI CD WHITE
SCR	2 Wire Strobe Ceiling STD CD RED
SCRH	2 Wire Strobe Ceiling HI CD RED
SCW	2 Wire Strobe Ceiling STD CD WHITE
SCWH	2 Wire Strobe Ceiling HI CD WHITE

Further information to help you when you are going through the UL standards for these models.

ULSTD Reference for the application:

Indoor Strobes- 1971
 Outdoor “K” Strobes — 1971 & 1638
 Indoor Horns and Chimes Alone- 464
 Indoor Horn/Strobes and Chime/Strobes- 1971 & 464
 Outdoor “K” Horns Alone-464
 Outdoor “K” Horn/Strobes-464 1971 & 1638

OUTDOOR “K” STROBES

The “K” suffix models are suitable for outdoor applications at temperatures from -40 Degrees F to +151 Degrees F (-40 Degrees C to +66 Degrees C), and are rated NEMA 3R when used with the System Sensor weather proof back box models WBB-W (Wall) and WBB-C (Ceiling).

Operating Voltages
 All STD CD Strobes - 8-17.5 or 16-33 VDC/FWR
 All HI CD Strobes- 16-33 VDC/FWR

The models for this approval are as follows:

Model No.	Description
SRK	2 Wire Strobe Wall STD CD RED OUTDOOR
SRHK	2 wire Strobe Wall HI CD RED OUTDOOR
SCRK	2 wire Strobe Ceiling STD CD RED OUTDOOR
SCRHK	2 wire Strobe Ceiling HI CD RED OUTDOOR

Further information to help you when you are going through the UL standards for these models ULSTD Reference for the application:

Indoor Strobes- 1971
 Outdoor “K” Strobes — 1971 & 1638
 Indoor Horns and Chimes Alone- 464
 Indoor Horn/Strobes and Chime/Strobes- 1971 & 464
 Outdoor “K” Horns Alone-464
 Outdoor “K” Horn/Strobes-464, 1971 & 1638

INDOOR/OUTDOOR SOUNDER MODELS

“P” suffix models have plain unmarked housings.

Indoor Standard Operation Temperatures
 32 Degrees F to 120 Degrees F (0 Degrees C to 49 Degrees C)

“K” suffix models are suitable for Outdoor Applications at temperatures from -40 Degrees F to +151 Degrees F (-40 Degrees C to +66 Degrees C) and are rated NEMA 3R when used with the System Sensor weather proof back boxes models WBB-W (Wall) and WBB-C (Ceiling).

Operating Voltages

All horns, chimes, STD CD Chime/Strobe, STD CD Horn/Strobes- 8-17.5 or 16-33 VDC/FWR
 All Hi CD Strobes and Horn/Strobes- 16-33 VDC/FWR

Horn Tones

1,4,5,& 6 are Public Mode & exceed 75dBa @ 10 Ft. 2 & 3 are Private Mode @ 12 Volts only & are less than 75 dBa @ 10 Ft.

All Chime Tones are Private Mode.

The models for this approval request are as follows:

Model No.	Description
P2R	2 Wire Horn/Strobe Wall STD CD RED
P2RH	2 Wire Horn/Strobe Wall HI CD RED
P2RK	2 Wire Horn/Strobe Wall STD CD RED OUTDOOR
P2RHK	2 Wire Horn/Strobe Wall HI CD RED OUTDOOR
P2W	2 Wire Horn/Strobe Wall STD CD WHITE
P2WH	2 Wire Horn/Strobe Wall HI CD WHITE
P4R	4 Wire Horn/Strobe Wall STD CD RED
P4RH	4 Wire Horn/Strobe Wall HI CD RED
P4RK	4 Wire Horn/Strobe Wall STD CD RED OUTDOOR
P4RHK	4 Wire Horn/Strobe Wall HI CD RED OUTDOOR
P4W	4 Wire Horn/Strobe Wall STD CD WHITE
P4WH	4 Wire Horn/Strobe Wall HI CD WHITE
PC2R	2 Wire Horn/Strobe Ceiling STD CD RED
PC2RH	2 Wire Horn/Strobe Ceiling HI CD RED
PC2RK	2 Wire Horn/Strobe Ceiling STD CD RED OUTDOOR

PC2RHK	2 Wire Horn/Strobe Ceiling HI CD RED OUTDOOR
PC2W	2 Wire Horn/Strobe Ceiling STD CD WHITE
PC2WH	2 Wire Horn/Strobe Ceiling HI CD WHITE
PC4R	4 Wire Horn/Strobe Ceiling STD CD RED
PC4RH	4 Wire Horn/Strobe Ceiling HI CD RED
PC4RK	4 Wire Horn/Strobe Ceiling STD RED OUTDOOR
PC4RHK	4 Wire Horn/Strobe Ceiling HI CD RED OUTDOOR
PC4W	4 Wire Horn/Strobe Ceiling STD CD WHITE
PC4WH	4 Wire Horn/Strobe Ceiling HI CD WHITE
CHSR	2 Wire Chime/Strobe STD CD RED
CHSW	2 Wire Chime/Strobe STD CD WHITE
HR	Horn RED
HRK	Horn OUTDOOR RED
HW	Horn WHITE
CHR	Chime RED
CHW	Chime WHITE

Further information to help you when you are going through the UL standards for these models

ULSTD Reference for the application:

Indoor Strobes - 1971

Outdoor "K" Strobes — 1971 & 1638

Indoor Horns and Chimes Alone- 464

Indoor Horn/Strobes and Chime/Strobes- 1971 & 464

Outdoor "K" Horns Alone-464

Outdoor "K" Horn/Strobes-464, 1971 & 1638

Pursuant to "Promulgation of the Rules relating to Material and Equipment Application Procedures" dated November 5, 1992, the Bureau of Fire Prevention has no object letter dated March 29, 2006, F.P. Index No#: 0512010A.

Terms and Conditions: That the above units be accepted on condition that:

1. All uses, configurations, arrangements, functions, applications, and applications shall comply with the provisions New York City Building Code, specifically Subchapter 17 and Reference Standards 17-3 through 17-5. Further, the installation shall also be in accordance with manufacturer's recommendations, and UL test report.
2. These notifications appliances shall be used only with MEA approved control panels and accessories with which the compatibility has been determined to be acceptable by the Engineer of Record, or a UL test report.

3. Visual alarm signals shall have the following minimum photometry features:

- a) The lamp shall be a xenon strobe type
- b) The light source shall be clear or nominal white
- c) The maximum pulse duration shall be two-tenth of one second (0.2 second) with maximum duty cycle of forty percent (40%)
- d) The flash rate shall be a minimum of 1Hz and no more than 2 Hz.

Note:

- (A) While the intensity of some of the above referenced strobe lights meets the minimum requirements of the NYC Building Code, it shall not be misconstrued to mean that these visual appliances are in compliance with the rules of other agencies having jurisdiction such as ADA. Our recommendation for the approval of the above lights is based primarily on the prescribed provisions of the NYC Building Code and no other rules, regulations, or law.
- (B) Some of the above referenced notification appliances are not painted red as required by Reference Standard 17-3.7. Chimes alarm sounding devices may be installed only with the approval of the Commissioner as per Reference Standard 17-3.5. It is our position that in compliance with these Building Code sections, where a particular premise would benefit from the installation of notification appliances that are not painted red or where the bells and gongs are not auditable; this Department would recommend that such authorization be considered for the installation of such devices on a case by case basis. This consideration shall be reviewed when the building owner demonstrate a special circumstance and need.

All shipments and deliveries of such equipment shall be provided with a metal tag, suitably placed, certifying that the equipment shipped or delivered is equivalent to those tested and accepted for use, as provided for in Section 27-131 of the Building Code.

Final Acceptance May 18, 2006.
Examined By Donald [Signature]