

INSTALLATION INSTRUCTIONS

These instructions apply to all Hochiki America detector bases that utilize an NS detector with LEDs to indicate power, and alarm.

CAUTION

Install the bases in this instruction in accordance with applicable NFPA standards, local codes, and the authorities having jurisdiction. Failure to follow these instructions may result in failure of the detector to initiate an alarm condition. Hochiki America is not responsible for detectors that have been improperly installed, tested, or maintained.

For testing and cleaning information, refer to Page 2 of these instructions and to Technical Bulletin HA-97 Conventional. Also refer to NFPA-72 Chapters 2 and 7 for Automatic Fire Detector installation guidelines, testing, and maintenance.

Use "3M" Weatherban # 606 non-flammable sealing compound to seal field wiring conduit openings in the mounting back box. Compliance with this request may reduce the occurrence of the "STACK EFFECT".

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| FIG. 1 | | | | | | | |
|----------|--------------|--------|--------|--|--|--|--|
| BASE | BOX MOUNTING | | | | | | |
| | 3" OCT | 4" OCT | 4" SQR | | | | |
| NS4-BASE | YES | NO | NO | | | | |
| NS6-BASE | NO | YES | YES | | | | |
| HSC-BASE | NO | YES | YES | | | | |

Connect wiring to the bases as shown in the wiring diagrams that follow. Detectors and bases may be mixed on the same initiating loop as long as the number of two-wire powered detectors does not exceed the specifications of the control panel (see Figure 2 below)

CAUTION CONNECT WIRING TO TERMINALS AS SHOWN DO NOT LOOP WIRE UNDER TERMINALS. BREAK WIRE RUN TO PROVIDE SUPERVISION OF CONNECTIONS.

| SPECIFICATIONS | SMOKE DETECTOR DATA | | | | | | | |
|--------------------------|--|--|---------------------------------|---|--|--|----------------------------------|--|
| DETECTORS | SIJ-24/-24C | SLR-24/-24C/-24V/-24VC -24VN/-24H/-24HC | SLV-24V/-24N -24NW/SLV-24 | DCD-135/-135W/-135C -190/-190W/-190C | SLR-835/-835W/ -835C | SLR-835H/-835HW | SOC-24V/-24VN SOC-24VW | |
| TYPE OF DETECTOR | IONIZATION | PHOTOELECTRIC | PHOTOELECTRIC | FIXED TEMP/RATE- OF RISE HEAT | PHOTOELECTRIC | PHOTOELECTRIC | PHOTOELECTRIC | |
| WORKING VOLTAGE (2-WIRE) | 15-33.0 VDC | 15-33.0 VDC | 15-33.0 VDC | 15.0-33.0VDC | 8.0~35.0 VDC | 8.0~35.0 VDC | 8.0~35.0 VDC | |
| RATED VOLTAGE (4-WIRE) | 17.7-30.0 VDC | 17.7-30.0 VDC | 17.7-30.0 VDC | 17.7-30.0VDC | 8.0~35.0 VDC | 8.0~35.0 VDC | 8.0~35.0 VDC | |
| VOLTAGE WAVEFORM | FILTERED DC [*] 5V RIPPLE MAX. | FILTERED DC * 5V RIPPLE MAX. | FILTERED DC * 5V RIPPLE MAX. | FILTERED DC * 5V RIPPLE MAX. | FILTERED DC* 15% RIPPLE MAX. | FILTERED DC* 15% RIPPLE MAX. | FILTERED DC * 15% RIPPLE MAX. | |
| MAX. ALARM CURRENT | 150 mA | 150 mA | 150 mA | 150 mA | 150 mA | 150 mA | 150 mA | |
| MAX. SURGE CURRENT | Aµ200 | 160 Aµ | Aµ0160 | Aس160 | Aµ200 | 200 _µ A | 160µA | |
| AVERAGE STANDBY CURRENT | 40µA | 45 M A | 45µA | 35 µ A | 38µ A @ 12 VDC 55µ A @ 24VDC 70µ A @ 35VDC | 38µ A @ 12 VDC 55µA @ 24VDC 70µA @ 35VDC | 59µA | |
| HEAT ELEMENT RATING | N/A | 135°F(SLR-24H only) | N/A | 135/190°F | N/A | 135°F | N/A | |
| COMPATIBILITY IDENTIFIER | HD3 | HD3 | HD3 | HD3 | HD5 | HD5 | HD3 | |
| SENSITIVITY TEST DEVICES | NSTT-A100 | BUILT-IN TEST FEATURE | BUILT-IN TEST FEATURE | TTA-1H | BUILT-IN TEST FEATURE | BUILT-IN TEST FEATURE | BUILT-IN TEST FEATURE | |
| HCP-1008E CONTROL PANEL | 30/ZONE | 30/ZONE | 30/ZONE | 30/ZONE | 30/ZONE | 30/ZONE | 30/ZONE | |

Note: The SLR-24V, SLV-24V and SOC-24V are suitable for installation in air velocities up to 4000ft./min. NOTE: When

When mounting detector on a wall, it must be between 4" and 12" from the ceiling. * When using a four-wire base full wave rectified AC can be used.



HOCHIKI AMERICA CORPORATION 7051 VILLAGE DRIVE SUITE 100 BUENA PARK, CA 90621-2268





PART# 1700-09987

DIAGRAM B