

# TECHNICAL DATA SHEET

for use by Architects & Engineers

## Conventional Detector Bases

Model No: LE-NS6/LE-NS4/LE-HSC



### Description

The LE-NS6 and LE-NS4 Series is designed specifically for use with Lifeco Conventional Models LE-SIJ-24 Ionization Smoke Detector, LE-SLR-24V Photoelectric Smoke Detector, LE-SLR-24H Photoelectric with Heat Smoke Detector, LE-SLR-835 Photoelectric Smoke Detector, LE-SLR-835H Photoelectric Smoke Detector w/heat, or LE-DCD-135/190 Fixed Temperature/Rate-of-Rise Heat Detector. The Base is an electronics free 6" base featuring a plastic tamper-lock lug. Each base is equipped with a resistor. Refer to the chart (left) for additional specifications. The LE-NS4 base is a 4" version of the LE-NS6 base.

Models LE-HSC-224R, LE-HSC-220R and the LE-HSC-221R are designed specifically for use with the Lifeco Conventional Models LE-SIJ-24, LE-SLR-24V, LE-SLR-24H, LE-SLR-835, LE-SLR-835H or LE-DCD-135/190. The LE-HSC-(X)R series is a 6" base with two sets of Form "C" relay contacts. Models LE-HSC-224R, LE-HSC-220R and the LE-HSC-221R are also approved for use with Lifeco previous Conventional Models LE-SIH-24F, LE-SLK-24F, LE-SLK-24FH and the LE-DFE 135/190.

The LE-HSC-4R is designed specifically for 24 volt 4 wire applications using Lifeco Conventional Models LE-SIJ-24, LE-SLR-24V, LE-SLR-24H, LE-SLR-835, LE-SLR-835H or LE-DCD-135/190. The 6" diameter base is current limited. Relay contact place a direct short occurs across the loop when the detector is actuated. Model LE-HSC-4R is also approved for use with previous Lifeco Conventional Models LE-SIH-24F, LE-SLK-24F, LE-SLK-24FH and the LE-DFE 135/190.

The LE-HSC-4R12 is designed specifically for 12 volt 4 wire applications using Lifeco Conventional Models LE-SLR-835, LE-SLR-835H. The 6" diameter base is current limited. Relay contact place a direct short occurs across the loop when the detector is actuated. Model LE-HSC-4R12 is also approved for use with previous Lifeco Conventional Models LE-SLK-835, LE-SLR-835, and LE-SLR-835H Lifeco Fixed Temperature Heat Detectors Models LE-DFE-135/ 190.

The LE-HSC-4R12 is designed specifically for 12 volt 4 wire applications using LIFECO Conventional Models LE-SLR-835, LE-SLR-835H. The 6" diameter base is current limited. Relay contact place a direct short circuit across the loop when the detector is actuated. Model LE-HSC-4R12 is also approved for use with previous LIFECO Conventional Model LE-SLK-835.

The LE-HSC-L Base Series is designed specifically for use with the LIFECO Fixed Temperature Heat Detectors Models LE-DFE-135/ 190. The LE-HSC-L Series is a 6" base featuring a current limiting resistor, latching annunciator output and a latching circuit so the alarm LED will remain lit until the control panel has been reset.



### LE-NS6 & LE-NS4 Series Bases

NS Series Bases	Alarm Current	ID
LE-NS6-224 or LE-NS4-224	43mA (70mA @ 33.0V MAX)	HB-5
LE-NS6-220 or LE-NS4-220	93mA (136mA @ 33.0V MAX)	HB-3
LE-NS6-220 or LE-NS4-221	46mA (77mA @ 33.0V MAX)	HB-4
LE-NS6-100* or LE-NS4-100	150mA @ 150 - 33.0V MAX	HB-56

\*Requires external current external limiting to 150mA maximum



### LE-HSC-(X)R Relay Bases & LE-HSC-4R 4 Wire Base

2 Wire Auxiliary Relay Bases	Alarm Current	ID
LE-HSC-224R	43mA (58mA @ 30.0V MAX)	HB-73
LE-HSC-220R	88mA (98mA @ 26.5V MAX)	HB-72
LE-HSC-221R	49mA (62mA @ 30.0V MAX)	HB-71
4 Wire Base	Alarm Current	ID
LE-HSC-4R	43mA (58mA @ 30.0V MAX)	N/A
LE-HSC-4R12	47mA (75mA @ 18.0V MAX)	N/A



### LE-NS6 & LE-NS4 Series Bases

NS Series Bases	Alarm Current	ID
LE-NS6-224 or LE-NS4-224	43mA (70mA @ 33.0V MAX)	HB-5
LE-NS6-220 or LE-NS4-220		HB-3
LE-NS6-220 or LE-NS4-221		HB-4
LE-NS6-100* or LE-NS4-100		HB-56

\*Requires external current external limiting to 150mA maximum

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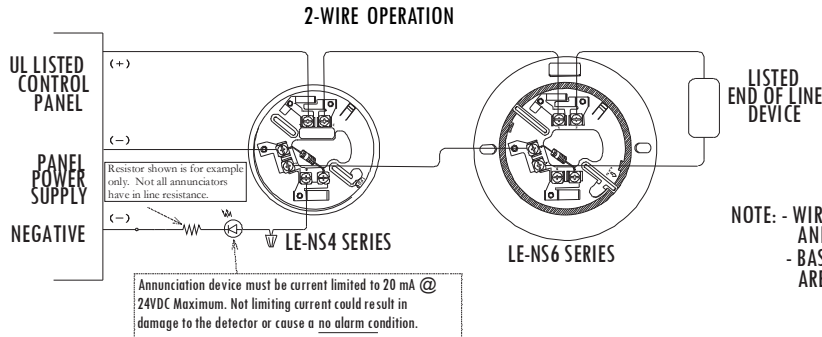
## Conventional Detector Bases

Model No: LE-NS6/LE-NS4/LE-HSC

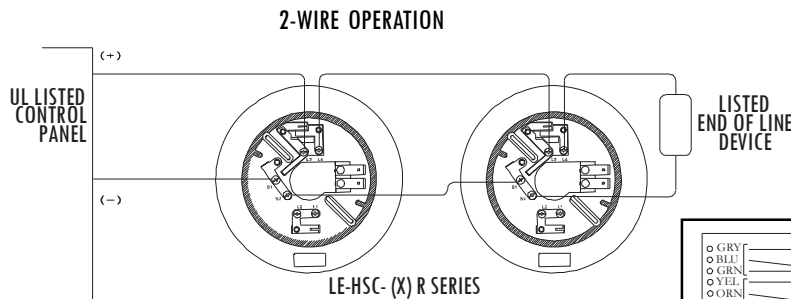


### Wiring Details

#### LE-NS4 AND LE-NS6 SERIES BASE



#### LE-HSC-(X)R RELAY BASE

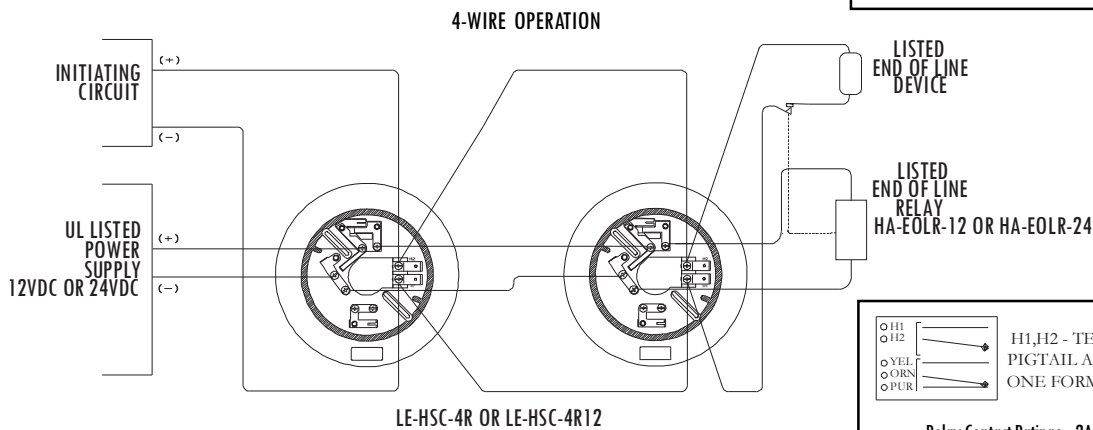


○ GRN	→	PIGTAIL AUXILIARY CONTACTS TWO FORM "C"
○ BLU	→	
○ GRN	→	
○ YEL	→	
○ PUR	→	

RELAYS SHOWN WITH POWER OFF.

**Relay Contact Ratings: 2A @ 30VDC  
1A @ 120VAC**

#### LE-HSC-4R FOUR WIRE BASE



○ H1	→	H1,H2 - TERMINAL PIGTAIL AUXILIARY CONTACTS ONE FORM "C"
○ H2	→	
○ YEL	→	
○ PUR	→	

**Relay Contact Ratings: 2A @ 30VDC  
1A @ 120VAC**

#### LE-HSC-(X) L LATCHING LED BASE

