

THESE LEDS ARE FOR PROPER CIRCUIT OPERATION ONLY.

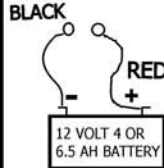
LED1

LED3

TRANSMISSION OF THE FIRE ALARM SIGNAL TO A FIRE ALARM HEADQUARTERS OR CENTRAL STATION SHALL BE PERMITTED ONLY WITH THE APPROVAL OF THE LOCAL AUTHORITY HAVING JURISDICTION. THE BURGLAR ALARM SIGNAL SHALL NOT BE TRANSMITTED TO A POLICE EMERGENCY NUMBER. EQUIPMENT IS TO BE INSTALLED IN ACCORDANCE WITH NFPA (985,55.1.P).

U.L. INSTALLATIONS

The Class 2, Class 3, and power-limited fire alarm circuits must be installed using CL3, CL3R, or CL3P, or substitute cable permitted by National Electrical Code ANSI/NFPA 70 and the Class 2, Class 3 and power-limited fire alarm circuit conductors extending beyond the cable jacket must be separated a minimum of 1/4 inch or by non-conductive tubing or non-conductive barrier from all other conductors.



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LED2

BATTERY CAPACITY FOR EMERGENCY STANDBY AT LEAST 4 HOURS. CONTROL PANEL DRAWS 60mA IN STANDBY.

ZONE 8 IS A 2 WIRE SMOKE LOOP.

W3

ZONE 8 IS A STANDARD ZONE.

W4

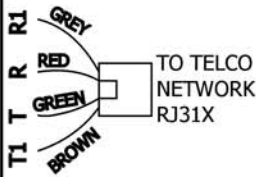
WARNING
TO PREVENT RISK OF ELECTRIC SHOCK- ALWAYS DISCONNECT THE TELEPHONE LINE PRIOR TO SERVICING.

LED IS LIT DURING COMMUNICATION.

LED4

IF BOX TAMPER IS ENABLED IN LOCATION 37, CONNECT A NORMALLY CLOSED SWITCH TO THESE PINS.

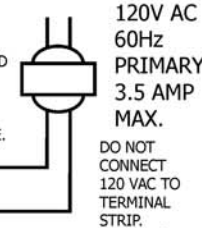
AUXILIARY OUTPUTS CURRENT LIMITED TO 250 MICROAMPS WHEN OUTPUT IS POSITIVE AND 50mA WHEN OUTPUT IS NEGATIVE.



LIGHTNING PROTECTION THE CONTROL PANEL MUST BE EARTH GROUNDED FOR LIGHTNING PROTECTION TO WORK EFFECTIVELY. THE GROUND CONNECTION SHOULD BE TIED TO A VERIFIED COLD WATER PIPE OR A DEDICATED METAL ROD 6' TO 10' LONG. USE MINIMUM 14 GAUGE WIRE.

UL LISTED TRANSFORMER 16.5V 25, 40, OR 50 VA CLASS II. DO NOT CONNECT TO A RECEPTACLE THAT IS CONTROLLED BY A SWITCH.

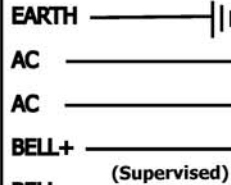
TRANSFORMER PART #51-1500008 NX848TRV1 MODEL #R96-0301AT 600 OHM



BUILT IN SIREN DRIVER FOR 15 OR 30 WATT SPEAKERS 4,8 OR 16 OHM LOAD.

CURRENT LIMITED TO 2.5 AMP MAXIMUM.

FOR VOLTAGE OUTPUT PROGRAM LOCATION 37, SEGMENT 2, FEATURE 1.



SMOKE+ TERMINAL IS CURRENT LIMITED TO 1.5 AMPS. AUX PRW+ TERMINAL IS LIMITED TO 1 AMP.

THE TOTAL STANDBY CURRENT DRAWN FROM TERMINALS SMOKE+, KEYPAD POS AND AUX PRW+, WHEN ADDED TOGETHER, MUST NOT EXCEED 700mA WITH A 40VA or 50VA TRANSFORMER.

UNDER FULL-LOAD, THE CONTROL PANEL NO LONGER PROCESSES SENSOR TRIPS AT 9.25 VOLTS.

MAX TOTAL WIRE RUN IS 2500'. MAX NUMBER OF DEVICES IS 32.

ALL CIRCUITS ARE CLASS 2 POWER LIMITED, EXCEPT BATTERY CIRCUIT.

NETWORK KEYPAD PART # NX-108E, NX-116E, NX-124E, NX-148E, NX-1192E, NX-1308E, NX-1316E, NX-1324E, NX-1448E
** MAX 8 KEYPADS PER PARTITION MAX 24 KEYPADS PER SYSTEM

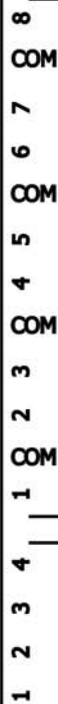
NETWORK NX-8

GLADEWATER, TX 75647

This unit provides Residential fire alarm service when installed according to ANSI / NFPA 72 (National Fire Protection Association, Batterymarch Park, Quincy, MA 02269) This unit provides Grade A Residential Burglar alarm service. In conjunction with the NX-003-C enclosure, this unit also provides the following Commercial Burglar alarm service: Grade A Local, Police Connect with Basic Line Security, and Grades B & C Central Station.

SIA CP-01 CLASSIFIED SYSTEM MINIMUM SYSTEM REQUIREMENTS:
~ 1 Control Panel
~ 2 Keypads (non-partitioned system)
~ 1 Keypad per partition (partitioned system)

ALL ZONE INPUTS ARE SUPERVISED.

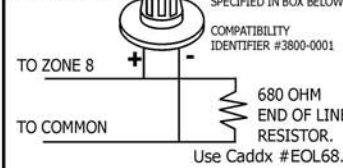


2 WIRE SMOKE DETECTORS

MAX NUMBER OF DETECTORS IS 20

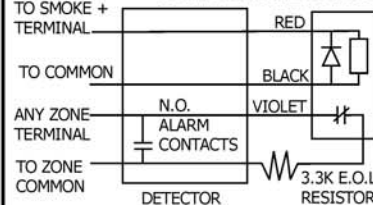
USE ONLY COMPATIBLE SMOKE DETECTORS AS SPECIFIED IN BOX BELOW

COMPATIBILITY IDENTIFIER #3800-0001



MAKE SURE TO SET THE JUMPER ON THE PANEL FOR 2 WIRE SMOKE LOOP.

4 WIRE SMOKE DETECTOR

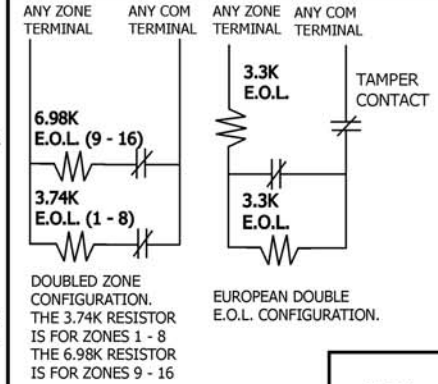


U.L. LISTED E.O.L. SUPERVISION RELAY (ESL #204A or Equivalent).

USE CADDX PART #EOL33

COMPATIBLE SMOKE DETECTOR MODELS:
(MAX - 20 V MIN - 0 V)
Sentrol: 429AT, 521BXT, 521B
System Sensor: 1151, 2100, 2100T, 2151
Hochiki America SLK-835
Detection Systems: DS250, DS250TH, DS282, DS282TH, DS282THS, DS282THC

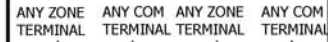
DO NOT MIX MODELS!



DOUBLED ZONE CONFIGURATION. THE 3.74K RESISTOR IS FOR ZONES 1 - 8 THE 6.98K RESISTOR IS FOR ZONES 9 - 16

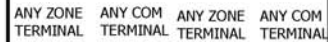
EUROPEAN DOUBLE E.O.L. CONFIGURATION.

IF A DOUBLED ZONE IS USED AS A FIRE ZONE THE HIGH ZONE (9 - 16) IS NOT USABLE.



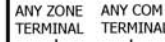
DOUBLED ZONE CONFIGURATION USED AS A FIRE ZONE

NORMALLY OPEN CONTACT WITH E.O.L. RESISTOR.



NORMALLY CLOSED CONTACT WITH E.O.L. RESISTOR.

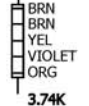
2 NORMALLY OPEN CONTACT AND 2 NORMALLY CLOSED CONTACT WITH E.O.L. RESISTOR.



1 NORMALLY OPEN CONTACT AND 1 NORMALLY CLOSED CONTACT WITH E.O.L. RESISTOR.

E.O.L. RESISTORS

DOUBLE E.O.L. ZONES 1-8.



DOUBLE E.O.L. ZONES 9 - 16.



2 WIRE SMOKE E.O.L. For UL Systems, use Caddx #EOL68



SINGLE ZONE E.O.L. For UL Systems, use Caddx #EOL33



ANSI / SIA CP-01 REQUIREMENTS

IMPORTANT NOTE:
 UL requirements take priority over SIA requirements.

To meet SIA CP-01 requirements –

- Minimum System Requirements: 1 control panel; 2 keypads (or 1 keypad per partition for multi-partitioned systems)
- Remote arming shall NOT be enabled in SIA classified installations.
- Off-premise transmission must be in the SIA format.
- The Abort window and Entry Delay must not exceed 1 minute.
- CAUTION – A call waiting cancel on a non-call waiting line will prevent successful connection to the central station.

CP-01 Feature Description	Feature Description as shown in manual	Program Loc	Seg / Opt	Factory Default	CP-01 Required Setting
Exit Time	Exit 1 Delay	24	2	60	45 – 240 sec.
	Exit 2 Delay	24	4	60	45 – 240 sec.
Progress Annunciation / Disable – for Silent Exit	Silent Keypad Option	* 9 3	2	All annunciators enabled	Allowed (individual keypads may be disabled)
Exit Time Restart	This feature is non-programmable in the panel.				Enabled
Auto Stay Arm on Unvacated Premises	Auto Bypass	23	1 / 3	Enabled	Enabled
Exit Time and Progress Annunciation / Disable – for Remote Arm	This feature is non-programmable in the panel. -- Exit time and progress are always enabled.				Enabled (may be disabled for remote arming)
Entry Delay(s)	Entry 1 Delay	24	1	30	30 – 240 sec.
	Entry 2 Delay	24	3	30	30 – 240 sec.
Abort Window – for Non-Fire Zones	Dialer Delay	40	8	30	Enabled (may be disabled by zone/ zone type)
Abort Window Time – for Non-Fire Zones	Dialer Delay	40	8	30	15 – 45 sec.
Abort Annunciation	This feature is non-programmable in the panel. -- Flashing Cancel LED goes off when disarming.				Enabled
Cancel Annunciation	Cancel	23	3 / 6	Enabled	Enabled
Duress Feature	Duress	44		Disabled	Disabled
Cross Zoning	2 Trips on Cross Zone	37	5 / 4	Disabled	Required
	Keypad sounds on Cross Zone trip	39	5	Disabled	
	Zone Type Characteristic	111	3 / 4	Disabled	
Programmable Cross Zoning Time	Cross Zone Time	40	6	5 minutes	Allowed
Swinger Shutdown	Swinger Shutdown Count	38	n/a	Enabled for 1 trip	For all non-fire zones, shut down at 1–2 trips
Swinger Shutdown Disable	Swinger Shutdown Count	38	n/a	Enabled for 1 trip	Allowed
Fire Alarm Verification	Fire Alarm Verification Time	40	9	Disabled	Required (depends on panel & sensors)
Call Waiting Cancel	Must be programmed as part of the phone number	0	n/a	n/a	Required (depends on user phone line)
<i>Default Changes (from prior versions):</i>	Recent Closing	23	3 / 7	Enabled	
	Exit Error	23	3 / 8	Enabled	
	Power Up Delay	40	3	60 sec.	

NOTE:
 Combined Abort window and Entry Delay must not exceed 1 minute.