

# Model XR100 Series Wiring Diagram

Refer to XR100 Series Installation Guide (LT-0899) for a complete description of wiring connections.

Refer to XR100 Series Programming Guide (LT-0896) for complete programming instructions.

## TYPES OF SERVICE

Central Station DACT service may be provided. See sections 29.4.

Suitable for Remote Station PPU DACT Service. See sections 29.7. Suitable for manual fire alarm, automatic fire alarm, sprinkler supervisory, or water flow alarm.

Suitable for Grade AA High Line Central Station with NET communication. See sections 23.8 and 25.8.

Grade B may be provided with dialer communication and DMP 350A Enclosure. See section 23.6.

Suitable for Household Fire and Grade A Household Burglary.

Suitable for Grade A Local, Police Station Connect, Mercantile, and Proprietary with dialer direct communication and 350A Enclosure. See sections 23.3, 23.5, and 23.6.

Suitable for Proprietary, PPU, other technologies, (XR100N only), local.

SIA CP-01-2000 minimum system is XR100 Series, UL listed local Bell, and off premise DACT communication to an SCS-1R receiver plus listed compatible keypads\*.

For UL installations, the Model 327 plug-in transformers shall be installed in a DMP Model ES501 enclosure. The plug-in transformer shall plug into a 120 VAC 60 Hz outlet not controlled by a switch and all 16 to 18 gauge wire shall run through conduit.

## DMP Transformers

Model 327 – 16.5 VAC 50 VA Class 2 Plug-in  
Model 322 – 16 VAC 56 VA Class 2 Wire-in

## Secondary Power Supply

1.0 Amps Max. charging current. Use only 12 VDC rechargeable batteries. DMP Models 365, 366, 367, 368, or 369. Replace batteries every 3 to 5 years.

## Bell \*\*

12 VDC  
Minimum cutoff time 5 min.  
1.5 Amp Max

## \* Keypads

Models 690/690F/790/790F  
77mA @ 12 VDC

Model 693/793  
92mA @ 12 VDC

Model 630F  
63mA @ 12 VDC

Model 7060/7060A  
80mA @ 12 VDC

Model 7070/7070A  
72mA @ 12 VDC

Model 7063/7063A  
86mA @ 12 VDC

Model 7073/7073A  
93mA @ 12 VDC

Model 7760  
65mA @ 12 VDC

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65mA @ 12 VDC

## NFPA 72

This equipment should be installed in accordance with Chapter 11 of the National Fire Alarm Code, ANSI/NFPA 72-2002, (National Fire Protection Association, Batterymarch Park, Quincy, MA 02269). Printed information describing proper installation, operation, testing, maintenance, evacuation planning, and repair service is to be provided with this equipment.

## POWER LIMITED

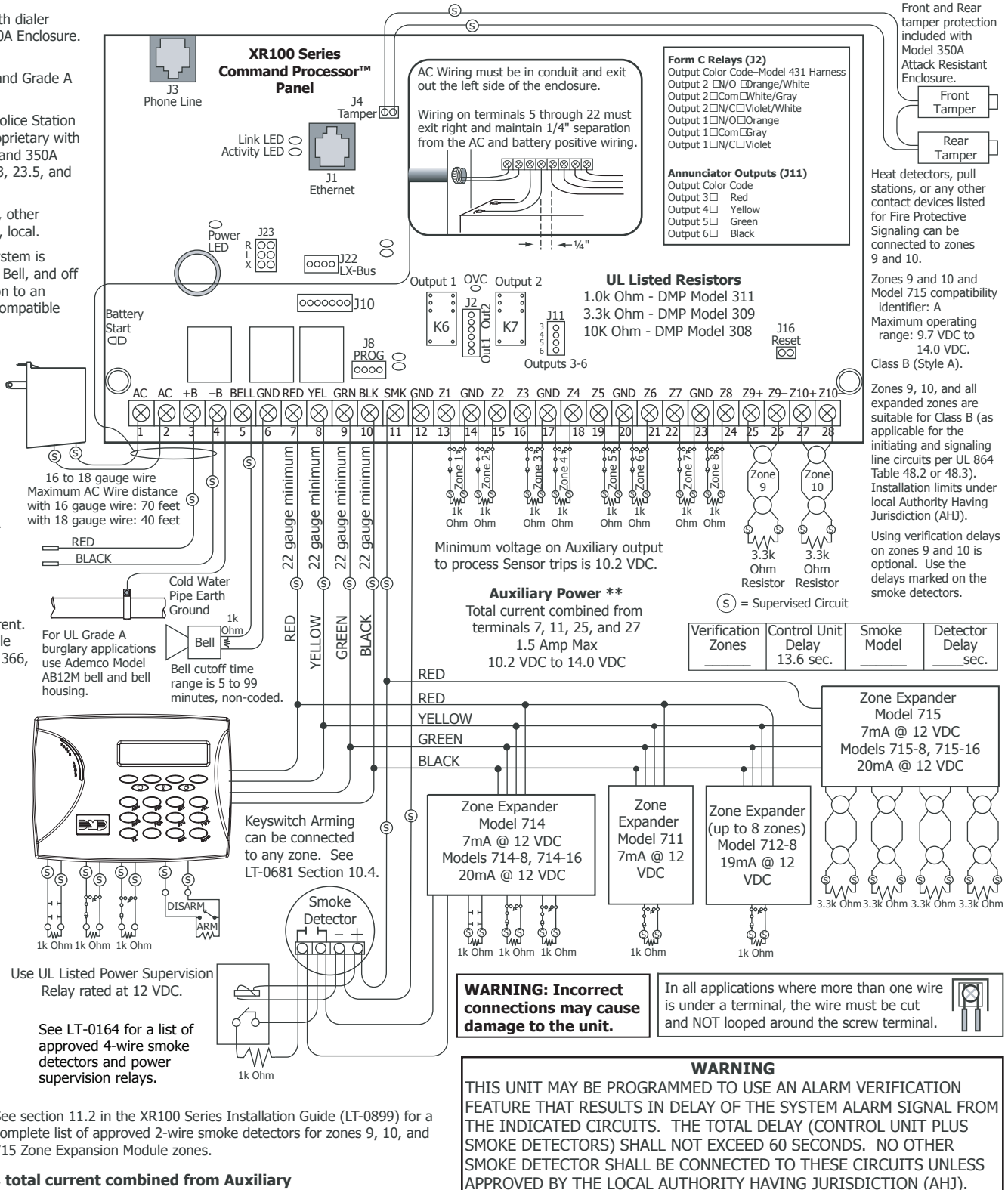
All circuits on the Model XR100 Series comply with the requirements for inherent power limitation and are Class 2 except the red battery wire and AC terminals.

## NFPA 72 OPERATING INSTRUCTIONS

The operating instructions LT-0352 must be located adjacent to the control unit or keypad.

## HOUSEHOLD FIRE WARNING

UL recognized limited energy cable must be used for connection of all initiating, indicating, and supplementary devices.



\*\* For UL installations, total current combined from Auxiliary (terminals 7, 11, 25, and 27) and Bell Power (terminal 5) cannot exceed:  
1.3 Amp with 50 VA transformer, 1.0 Amp Max for Auxiliary Power  
1.9 Amp with 56 VA transformer, 1.0 Amp Max for Auxiliary Power and 1.5 Amp Max for Bell