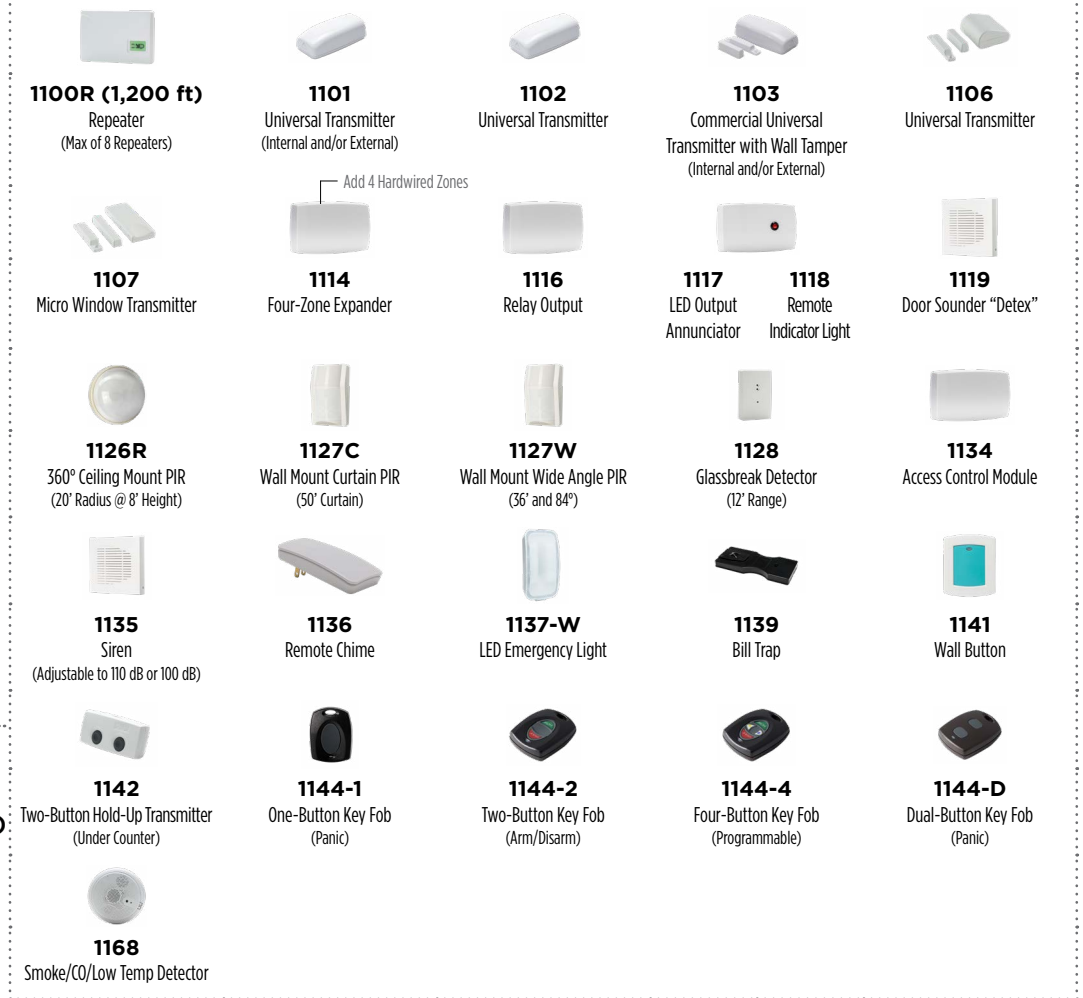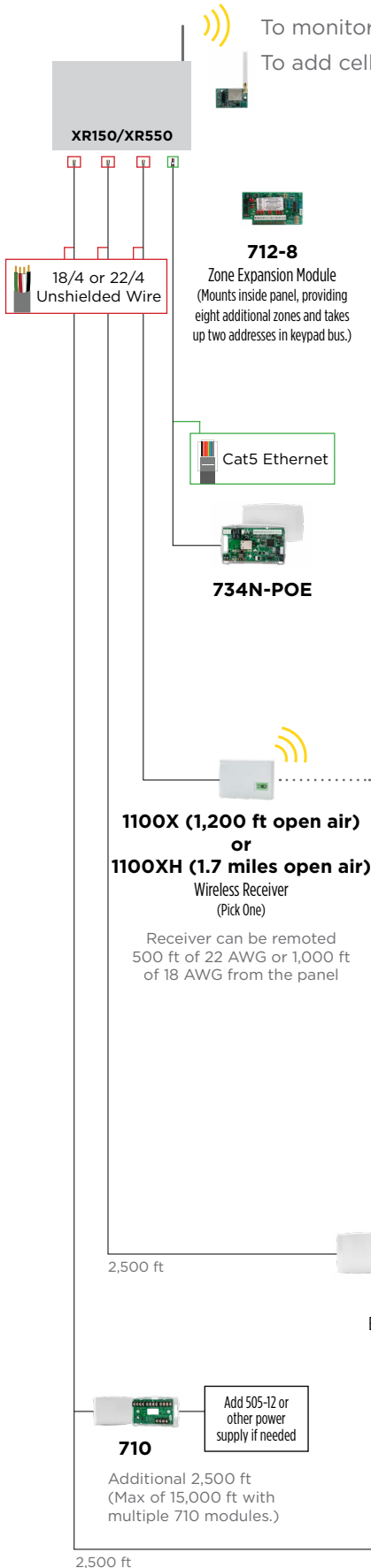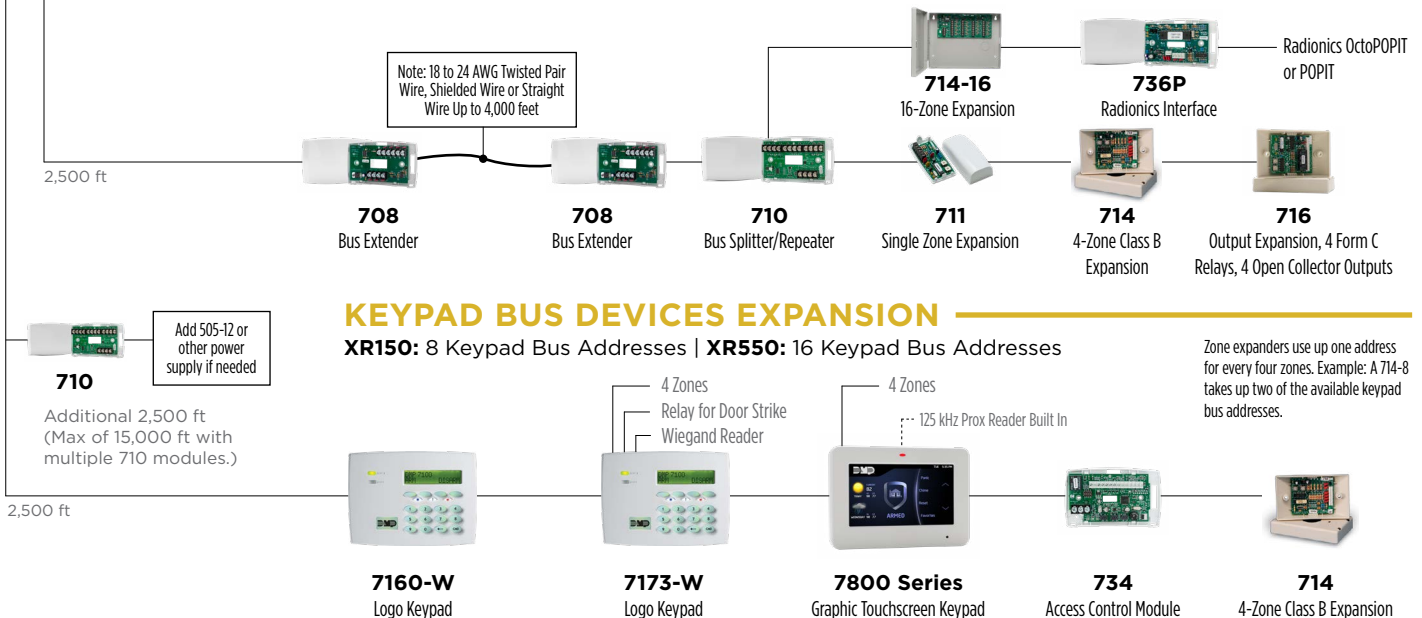# XR SYSTEM
DESIGN GUIDE

To monitoring center via dialer, cellular or network (eight paths of communication)

To add cellular, pick from 263LTE-V/381-2 (Verizon) or 263LTE-A/381-2 (AT&T)

XR150/XR550

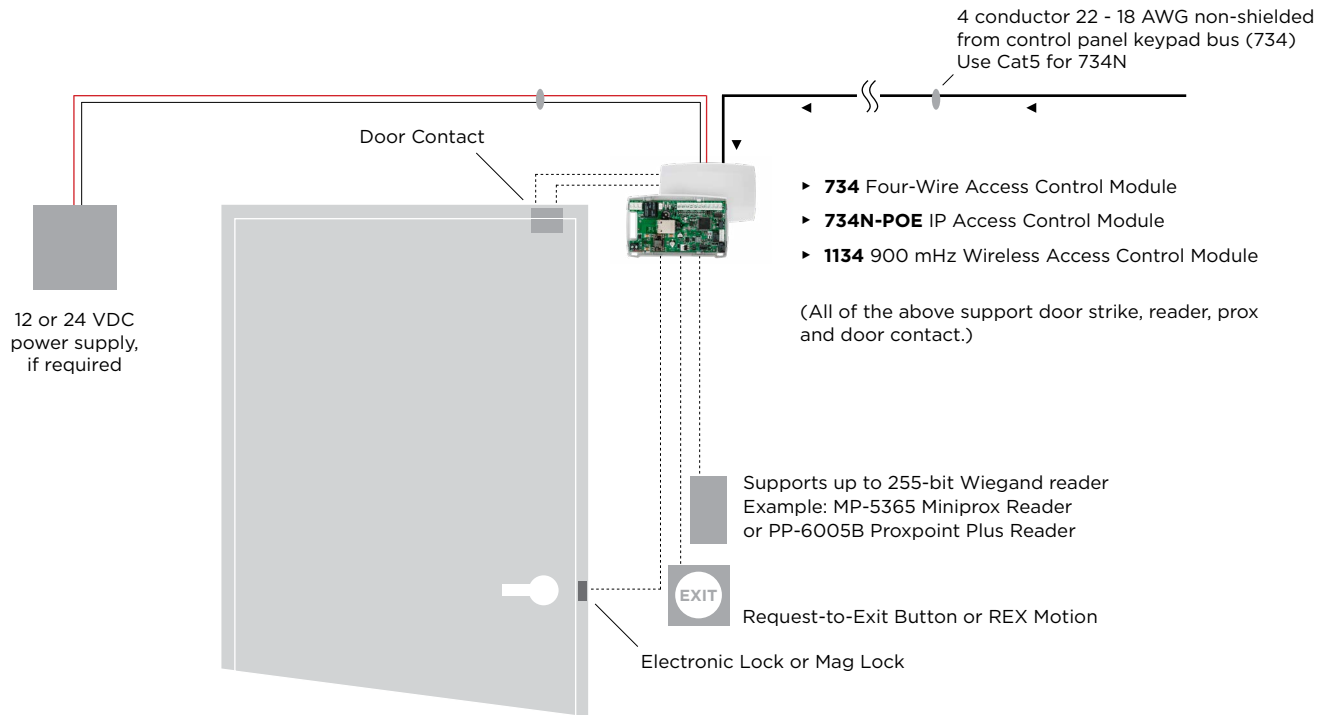**712-8**
Zone Expansion Module
(Mounts inside panel, providing eight additional zones and takes up two addresses in keypad bus.)

18/4 or 22/4 Unshielded Wire

Cat5 Ethernet

734N-POE

1100X (1,200 ft open air)
or
1100XH (1.7 miles open air)
Wireless Receiver
(Pick One)

Receiver can be remoted 500 ft of 22 AWG or 1,000 ft of 18 AWG from the panel

WIRELESS DEVICES

1100R (1,200 ft)
Repeater
(Max of 8 Repeaters)

1101
Universal Transmitter
(Internal and/or External)

1102
Universal Transmitter

1103
Commercial Universal Transmitter with Wall Tamper
(Internal and/or External)

1106
Universal Transmitter

1107
Micro Window Transmitter

Add 4 Hardwired Zones

1114
Four-Zone Expander

1116
Relay Output

1117
LED Output Annunciator

1118
Remote Indicator Light

1119
Door Sounder "Detex"

1126R
360° Ceiling Mount PIR
(20' Radius @ 8' Height)

1127C
Wall Mount Curtain PIR
(50' Curtain)

1127W
Wall Mount Wide Angle PIR
(36' and 84°)

1128
Glassbreak Detector
(12' Range)

1134
Access Control Module

1135
Siren
(Adjustable to 110 dB or 100 dB)

1136
Remote Chime

1137-W
LED Emergency Light

1139
Bill Trap

1141
Wall Button

1142
Two-Button Hold-Up Transmitter
(Under Counter)

1144-1
One-Button Key Fob
(Panic)

1144-2
Two-Button Key Fob
(Arm/Disarm)

1144-4
Four-Button Key Fob
(Programmable)

1144-D
Dual-Button Key Fob
(Panic)

1168
Smoke/CO/Low Temp Detector

LX-BUS EXPANSION MODULES

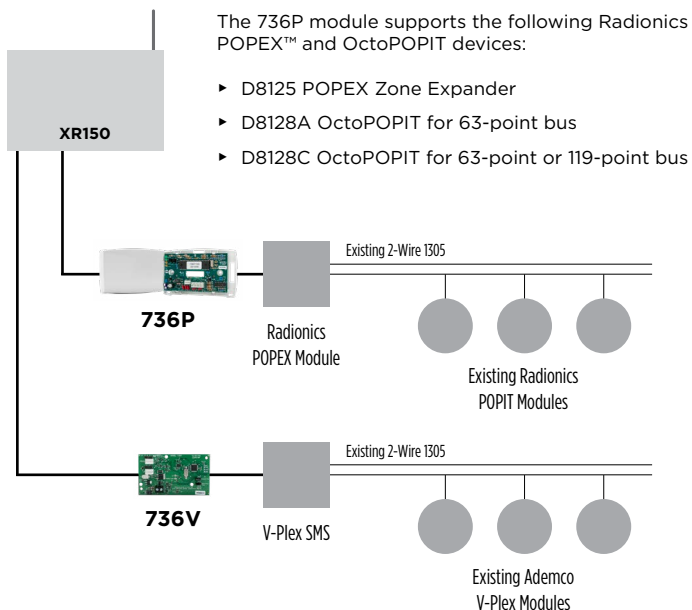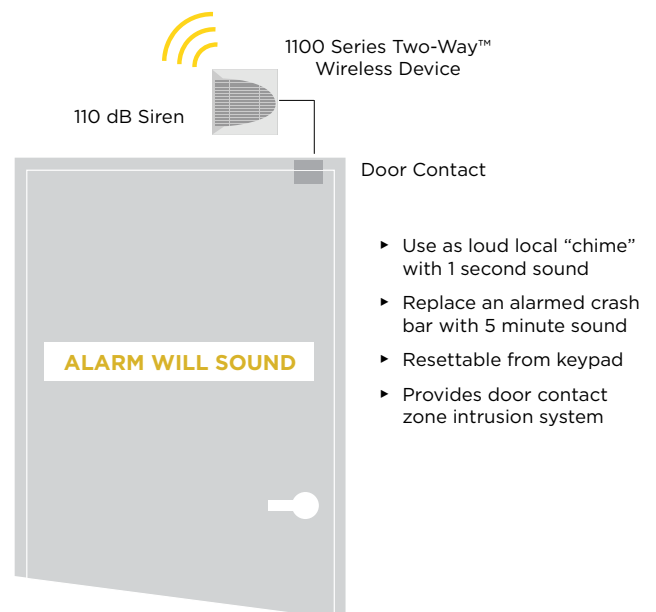100 Zones | Maximum 40 Devices | **XR150:** One LX-Bus module | **XR550:** Five LX-Bus modules

Radionics OctoPOPIT or POPIT

714-16
16-Zone Expansion

736P
Radionics Interface

Note: 18 to 24 AWG Twisted Pair Wire, Shielded Wire or Straight Wire Up to 4,000 feet

2,500 ft

708
Bus Extender

708
Bus Extender

710
Bus Splitter/Repeater

711
Single Zone Expansion

714
4-Zone Class B Expansion

716
Output Expansion, 4 Form C Relays, 4 Open Collector Outputs

KEYPAD BUS DEVICES EXPANSION

XR150: 8 Keypad Bus Addresses | **XR550:** 16 Keypad Bus Addresses

Zone expanders use up one address for every four zones. Example: A 714-8 takes up two of the available keypad bus addresses.

710
Additional 2,500 ft
(Max of 15,000 ft with multiple 710 modules.)

Add 505-12 or other power supply if needed

2,500 ft

4 Zones
Relay for Door Strike
Wiegand Reader

4 Zones

125 kHz Prox Reader Built In

7160-W
Logo Keypad

7173-W
Logo Keypad

7800 Series
Graphic Touchscreen Keypad

734
Access Control Module

714
4-Zone Class B Expansion

ADD A DOOR OF ACCESS CONTROL

4 conductor 22 - 18 AWG non-shielded from control panel keypad bus (734) Use Cat5 for 734N

Door Contact

▸ **734** Four-Wire Access Control Module

▸ **734N-POE** IP Access Control Module

▸ **1134** 900 mHz Wireless Access Control Module

(All of the above support door strike, reader, prox and door contact.)

12 or 24 VDC power supply, if required

Supports up to 255-bit Wiegand reader
Example: MP-5365 Miniprox Reader
or PP-6005B Proxpoint Plus Reader

EXIT

Request-to-Exit Button or REX Motion

Electronic Lock or Mag Lock

736P RADIONICS™/POPIT™ MODULE
OR
736V ADEMCO™/V-PLEX™ MODULE

The 736P module supports the following Radionics POPEX™ and OctoPOPIT devices:

▸ D8125 POPEX Zone Expander

▸ D8128A OctoPOPIT for 63-point bus

▸ D8128C OctoPOPIT for 63-point or 119-point bus

XR150

736P

Radionics POPEX Module

Existing 2-Wire 1305

Existing Radionics POPIT Modules

736V

V-Plex SMS

Existing 2-Wire 1305

Existing Ademco V-Plex Modules

1119 WIRELESS SOUNDER & ZONE

1100 Series Two-Way™ Wireless Device

110 dB Siren

Door Contact

ALARM WILL SOUND

▸ Use as loud local "chime" with 1 second sound

▸ Replace an alarmed crash bar with 5 minute sound

▸ Resettable from keypad

▸ Provides door contact zone intrusion system

Radionics, POPEX and POPIT are trademarks of Radionics Inc. | Ademco and V-Plex are trademarks of Honeywell Inc.

PANEL SPECIFICATIONS

	XR150	XR550
Total Number of Zones	142	574
Number of Possible Hardwired Zones	142	574
Number of Possible DMP Wireless Zones	100	500
Number of Areas	8	32
Event Buffer	12,000	12,000
Number of User Codes	10,000	10,000
Number of Door Access Points	8	96
Number of Supervised Keypads	8	16
Auxiliary Power	1.5 Amps	1.5 Amps
Switched 4-Wire Smoke Detector Power	Yes	Yes

KEYPAD FEATURES

Model	Series	Zones	Normal Backlight	Internal Relay	Wiegand Input	Internal Prox	Compatible Panels
7060	Thinline	None	Green	No	No	No	XT & XR Series
7063	Thinline	None	Green	No	No	Yes	XT & XR Series
7070	Thinline	Four	Green	No	No	No	XT & XR Series
7073	Thinline	Four	Green	Yes	Yes	Yes	XT & XR Series
7160-W	Thinline	None	Green	No	No	No	XT & XR Series
7173-W	Thinline	Four	Green	Yes	Yes	Yes	XT & XR Series
7872	Touchscreen	Four	Blue	Yes	No	Yes	XT & XR Series
7873	Touchscreen	Four	Blue	Yes	Yes	Yes	XT & XR Series
9862	Touchscreen	None	Blue	No	No	Yes	All

MODEL NUMBER DESCRIPTION

XR550 D N L - R

PANEL
XR550
XR150

DIGITAL DIALER

NETWORK
N - Network
E - Encryption*

ENCLOSURE SIZE
L - Large
A - Attack Resistant
PCB - Board Only

ENCLOSURE COLOR
R - Red
G - Gray

*Encryption only available on XR550 panels.
Note: Models ending in PCB indicate it is the
PC board and power supply only, no cabinet.

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