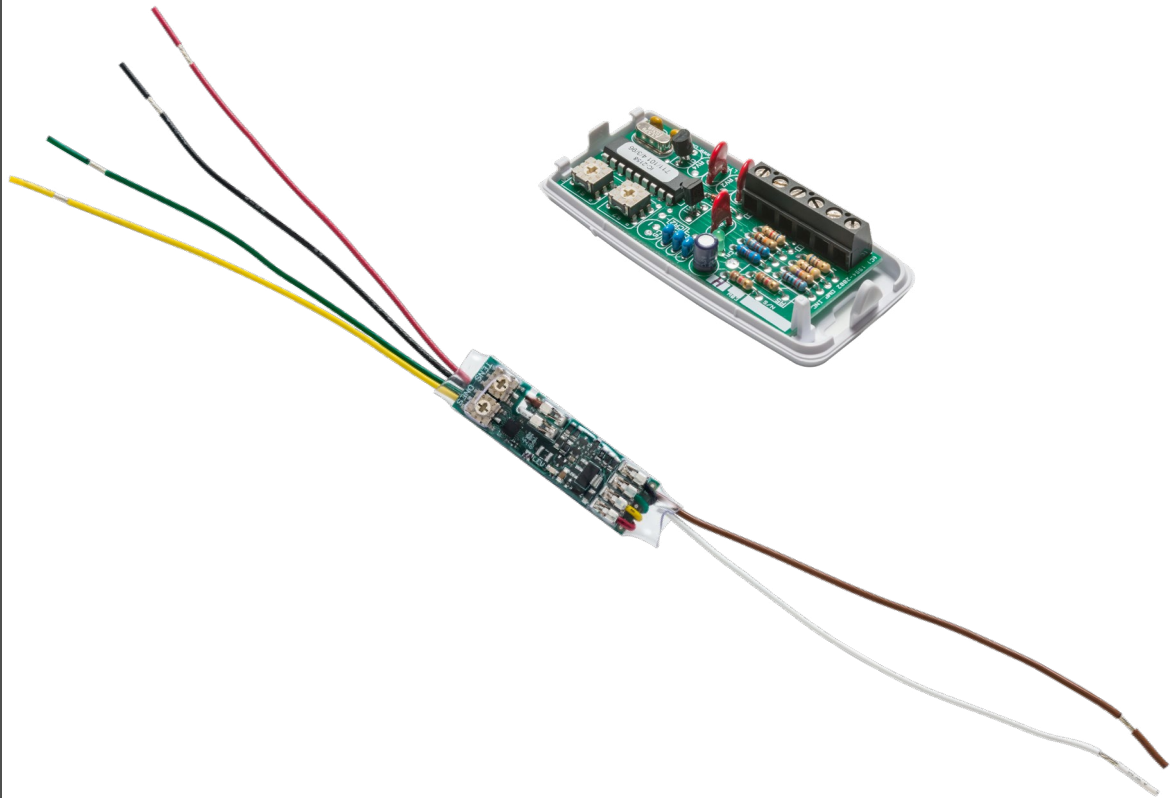




Zone Expansion Modules



FEATURES

- ▶ Expand your DMP panel options with a wide array of expansion modules.
- ▶ Add supervised Class B burglary zones.
- ▶ Connect non-powered burglary or fire type devices for intrusion, glassbreak and motion detection.
- ▶ Add 12 VDC zones for addressable two-wire smoke detectors with 715 modules.
- ▶ Provides Class B zones for burglary and fire
- ▶ Compatible with DMP panels that allow zone expansion
- ▶ Suitable for mounting near protection devices
- ▶ Connect devices using four-wire bus
- ▶ Easily mount attractive cases on wall or three-gang box
- ▶ Compatible with all panel zone types
- ▶ Easy connection to four-wire keypad or LX-Bus™
- ▶ Proven design ensures stability and performance
- ▶ Data LED on zone expander indicates good panel communication
- ▶ Durable and attractive plastic or metal housing
- ▶ Low current draw
- ▶ Can be powered from panel or auxiliary power supply
- ▶ Expansion using network communicators



USE ON THE DMP LX-BUS

The modules can be used on the LX-Bus of DMP panels. The modules connect to the four-wire bus and use only one zone address. To assign an additional zone expander, use the next available zone address.

CONNECT TO KEYPAD BUS

You can also use the modules as an addressed device on the keypad data bus of DMP control panels.

Simply set the module to an available keypad address and connect the wiring to the appropriate screw terminals.

SIMPLE ADDRESSING

Address the 711S, 714, 714-8, 714-16, 715, 715-8 and 715-16 modules by setting two onboard rotary switches with a small screwdriver. The 712-8 uses slide dip switches.

EASY INSTALLATION

Zone expansion modules are mounted in a decorative plastic housing suitable for installing outside the panel enclosure, such as on walls or single-gang boxes. After all wiring connections are made, the covers go on to form tight-fitting protection against incidental contact or tampering.

714-8, 714-16, 715-8 and 715-16 Zone Expanders are housed in a rugged, 20-gauge, cold-rolled steel enclosure.

You may also mount the 708 and 710 modules inside a DMP enclosure using the three-hole configuration and the provided standoffs. The 712-8 only mounts using the three-hole configuration and provided standoffs.

ZONE PROGRAMMING

Program the zone on the modules with any of the panel's available zone types for use in burglary applications including arming type zones when used with keyswitches.

The expansion zones are programmable for annunciation on DMP keypads connected to the panel. Each zone can also be individually programmed to report alarms, troubles and restorals to remote DMP SCS-1R or SCS-VR Receivers.

708 BUS EXTENDER MODULES

The 708 Bus Extender Modules allow you to increase the length of wire used to run an LX-Bus or keypad bus by a maximum of 4,000 feet, while providing immunity to noise on the wires. This model comes as a pair of modules that connect between the panel and LX-Bus or keypad bus devices.

Use the 708 modules for applications that include running wire over long distances, through noisy environments or where the bus is bundled with other wires, such as telephone company wire. The 708 extender can be used on all DMP panels.



708 FEATURES

- ▶ Extends keypad bus or LX-Bus by 4,000 feet with one pair of modules
- ▶ Connects to an auxiliary power supply for added power
- ▶ Uses existing wire: No need to run additional wire
- ▶ Allows twisted pair and/or shielded wire between the 708 modules

710 BUS SPLITTER/REPEATER MODULE

The 710 Bus Splitter/Repeater Module allows you to expand the typical LX-Bus or keypad bus installation both in the number of devices and the length of the wire used. Each 710 module provides three bus connections up to 2,500 feet. When using multiple modules, the total distance of all circuits can be an incredible 15,000 feet!



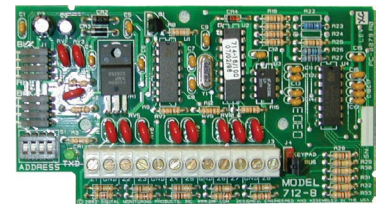
710

As a splitter, the 710 provides superior mechanical wire connecting capability for up to three additional 12 VDC LX-Bus or keypad bus circuits. This makes the 710 module an excellent junction box when terminating multiple LX-Bus/keypad bus runs at one location.

As a repeater, the 710 module can be installed at the end of an LX-Bus or keypad bus circuit to allow an additional circuit to be added, thus increasing the total wire length.

712-8 ZONE EXPANSION MODULE

Expand your system at an affordable price! You can connect non-powered burglary devices to DMP panels using the 712-8 module. It is compatible with many intrusion contacts, glassbreak detectors, motion detectors and intrusion detectors.



712-8 FEATURES

- ▶ Eight grounded, addressable burglary zones
- ▶ Set jumper for LX-Bus or keypad bus operation
- ▶ Compatible with all DMP panels
- ▶ Expand systems by connecting a second 712-8
- ▶ Easily address using dip switches
- ▶ Snaps into panel enclosure using three-hole pattern
- ▶ Separate zone 1 k End-of-Line resistors included

BUILD A SYSTEM

714/715 ZONE EXPANDERS

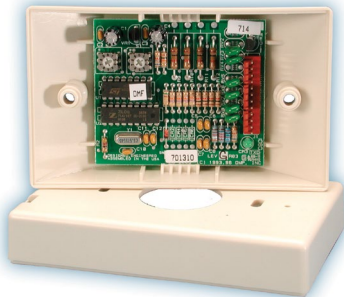
The 714 contains four Class B burglary zones and is suitable for use with burglary and fire devices that are normally opened or normally closed. Individual zones are supervised with 1 k ohm End-of-Line (EOL) resistors and can be programmed with any burglary or fire zone type.

The 715 contains four Class B powered zones and is suitable for use with 12 VDC, two-wire smoke detectors and non-powered fire or burglary devices. Individual zones on the 715 are supervised with a 3.3 k ohm EOL resistor and can be programmed with any burglary or fire zone type.

OPTIONAL ACCESSORIES

The standard wiring harness can be replaced with the optional 718T Plug-in Screw Terminal.

The enclosure can also accommodate the 719T Terminal Boards for the 714 or the 720T Terminal Boards for the 715, which pass through the wiring of the panel's LX-Bus. 1 k EOL resistors are included with the 719T, and 3.3 k resistors are included with the 720T.

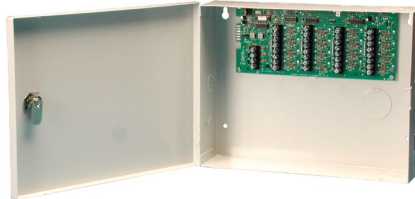


714/715 FEATURES

- ▶ Four protection zones on each module
- ▶ Comes with 12-conductor wire harness
- ▶ Optional 12-position screw terminal

714-8, 714-16, 715-8 AND 715-16

The expanders are housed in a model 340 locking metal enclosure suitable for mounting in a remote location. Each expander provides screw terminal strips for zone inputs and data bus connections, a two position jumper to designate connection to the keypad bus or the LX-Bus and an LED to indicate communication with the panel. Separate zone EOL resistors are included with each expander.



714-8/714-16 EXPANDERS

The 714-8 Expander contains eight Class B zones. The 714-16 Expander contains 16 Class B zones. Both are suitable for use with normally open or normally closed burglary and fire devices. Individual zones are supervised with a 1 k ohm EOL resistor and can be programmed as any zone type. The 714-8 hardware level E is compatible with 1k - 4.7k end of line resistors, making takeovers easy.

715-8/715-16 EXPANDERS

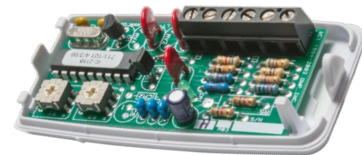
The 715-8 Expander contains eight Class B powered zones. The 715-16 Expander contains 16 Class B powered zones. Both are suitable for use with 12 VDC two-wire devices, such as smoke detectors or with non-powered fire or burglary devices. Individual zones are supervised with a 3.3 k ohm EOL resistor and can be programmed as any zone type.

714-8, 714-16, 715-8 AND 715-16 FEATURES

- ▶ 8 or 16 protection zones per expander
- ▶ Durable metal enclosure housing with lock and key
- ▶ Individual screw terminals accommodate 14-22-gauge wire for easy connection
- ▶ Suitable for mounting in a remote location

711 DESCRIPTION

The 711 Zone Expansion Module connects to the panel's four-wire keypad bus or LX-Bus and is set to an address that determines the reporting zone number. The 711 provides one Class B zone for the connection of detection devices.



711 FEATURES

- ▶ Single-zone expander
- ▶ Rugged screw terminals accommodate 14-22-AWG wire
- ▶ Board fits in Radionics POPIT housing
- ▶ Easy rotary switch addressing

711S DESCRIPTION

The 711S Zone Expansion Module is a flying lead style, single-zone, addressable expansion module that allows you to increase the number of reporting zones available on XT30/XT50 and XR150/XR550 Series panels. It's ideal for smaller applications, such as installing in a pull station back-box or even in a recessed contact hole behind the contact. The modules connect to the panel's four-wire keypad bus or LX-Bus and are set to an address that determines the reporting zone number. The 711S provides one Type A Class B zone.



714N-POE

The 714N-POE Network Zone Expander allows you to add four zones to the XR150/XR550 Series panels using IP network capability. Individual zones are compatible with 1 k-10 k resistors, giving a wide variety for takeovers. POE compatibility provides power for the expander and provides 12 V output for powered zones such as PIRs or glassbreaks. Using AES encryption to talk to the panel provides the next level of protection to the expander.

SPECIFICATIONS

ZONE EXPANSION MODULE COMPARISON CHART

Refer to the chart below for a comparison of the features for each DMP zone expansion module.

Module	Address	Number of Zones	3-Hole	Plastic Case	Operating Voltage	Compatible Panels
708	N/A	N/A	Yes	Yes	12 VDC	All DMP
710	N/A	N/A	Yes	Yes	12 VDC	
712-8	Dip Switch	8	Yes	No	12 VDC	
711	Rotary	1	No	Yes	12 VDC	
711S	Rotary	1	No	No	12 VDC	XT Series and XR Series
714	Rotary	4 Class B	No	Yes	12 VDC	
714-8	Rotary	8 Class B	No	Metal Enclosure	12 VDC	
714-16	Rotary	16 Class B	No	Metal Enclosure	12 VDC	
715	Rotary	4 Class B	No	Yes	12 VDC	
715-8	Rotary	8 Class B	No	Metal Enclosure	12 VDC	
715-16	Rotary	16 Class B	No	Metal Enclosure	12 VDC	
714N-POE		4	No	Yes	12 VDC or POE	XR Series

708 (Non-UL) Bus Extender Module

Operating Voltage	8.8 to 15.0 VDC
Operating Current	20 mA per pair
Dimensions	4.5" W × 2.75" H × 1.75" D
Maximum Distance	4,000 feet between the two 708 modules

710 Bus Splitter/Repeater Module

Operating Voltage	8.8 to 15.0 VDC
Operating Current	30 mA
Dimensions	4.5" W × 2.75" H × 1.75" D
Distance	2,500 feet (one module), 15,000 feet maximum

711 Zone Expansion Module

Operating Voltage	8.8 to 15.0 VDC
Operating Current	
Average	11 mA + 1.6 mA per active zone
Alarm	11 mA + 2 mA per zone in alarm
Zone Voltage	5 VDC (1.6 mA across EOL)
Dimensions	4.5" W × 2.75" H × 1.75" D

711S Zone Expansion Module

Operating Voltage	8.8 to 15.0 VDC
Operating Current	
Standby	4.2 mA
Alarm	4.7 mA
Zone Voltage	5 VDC, max 2 mA
Dimensions	1.25" W × 2.75" H

712-8 Zone Expansion Module

Operating Voltage	8.8 to 15.0 VDC
Current Draw	17 mA + 1.6 mA per active zone 17 mA + 2 mA per zone in alarm
Dimensions	4.5" H × 2.5" W

714/715 Zone Expansion Module

Operating Voltage	8.8 to 15.0 VDC
Operating Current	
714 Average	7 mA + 1.6 mA per zone
Alarm	7 mA + 2 mA per zone
715 Average	7 mA + 4 mA per zone + 0.1 per 2-wire smoke
Alarm	7 mA + 58 mA per shorted zone + 0.1 per 2-wire smoke + 30 mA per smoke in alarm
Dimensions	4.5" W × 2.75" H × 1.75" D

714-8, 714-16, 715-8 and 715-16 Zone Expansion

Operating Voltage	8.8 to 15.0 VDC
Operating Current	
714-8/16	
Average	20 mA + 1.6 mA per zone
Alarm	20 mA + 2 mA per zone
715-8/16	
Average	20 mA + 4 mA per zone + 0.1 per 2-wire smoke
Alarm	20 mA + 58 mA per shorted zone + 0.1 per 2-wire smoke 30 mA per smoke in alarm
Enclosure	20-gauge cold-rolled steel
Dimensions	12.5" W × 11.5" H × 3.5" D
714-8/-16 Color	Gray
715-8/-16 Color	Red

714N-POE Network Zone Expansion Module

Primary Power	8.5 VDC to 28.5 VDC
Current Draw	
Standby	7.5 mA at 12 VDC
Alarm	7.5 mA at 12 VDC
Output Voltage(POE)	12 VDC
Max. Power Draw	12.95W
Available Output Current	750 mA
Zone Voltage	5 VDC, max 2 mA
Dimensions	4.5" W × 2.75" H × 1.75" D

Certifications

Refer to the appropriate panel programming and installation guides for specific compliance listings for installation and programming requirements necessary to meet a particular approval. California State Fire Marshall (CSFM) New York City (FDNY COA #6167) (711, 714, 715 only) Underwriters Laboratories (UL) Listed

For additional information go to DMPCom/Compliance.

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LIMITED WARRANTY: DMP warrants that the products manufactured by DMP and described herein shall be free from defects of manufacture, labeling, and packaging for a period of three (3) years from the invoice date to the original Buyer, provided that representative samples of the defective products are returned to DMP for inspection...To read the full DMP Limited Warranty, go to DMP.com/Warranty or check the DMP Price List or Catalog.