

Specifications		Keypad Bus Zone Numbers		
<b>Operating Voltage:</b>	711, 711E, and 714 = <b>8.0 to 15.0 VDC</b> 715 = <b>9.9 to 15.0 VDC</b>	<b>Keypad Address</b>	<b>Switches TENS ONES</b>	<b>Zone Numbers</b>
<b>Operating Current:</b>	711 = <b>8mA</b> , 711E = <b>12mA</b> , 714 = <b>15mA</b> 715 = <b>25mA</b> + 30mA per smoke in alarm + 58mA per zone short alarm *	1	0 1	11 to 14
<b>Zone Voltage:</b>	711, 711E, and 714 = <b>5 VDC</b> 715 = <b>8.87 to 12.5 VDC</b> (1.3mA max.)	2	0 2	21 to 24
<b>EOL Resistor:</b>	711, 711E, and 714 = <b>1k Ω</b> 715 = <b>3.3k Ω</b>	3	0 3	31 to 34
<b>Size:</b>	711/711E - <b>1-1/4"W x 3-1/8"L x 1"H</b> 714/715 - <b>2-3/4"W x 4-1/2"L x 2"H</b>	4	0 4	41 to 44
		5	0 5	51 to 54
		6	0 6	61 to 64
		7	0 7	71 to 74
		8	0 8	81 to 84
		<b>Note:</b> 711 and 711E modules use zone 1 only. Zones 2 to 4 cannot be used for other devices.		

\* Pull stations, heat detectors, and other shorting devices.

Digital Monitoring Products  
2841 E. Industrial Drive Springfield, MO 65802-6310 800-641-4282

Installation Instructions

## For 711, 711E, 714, and 715 Zone Expander Modules

Zone expander modules allow you to increase the number of reporting zones available on DMP XR20, 1912XR, and XR200 Command Processor™ Panels. The modules connect to the panel's 4-wire keypad bus or LX-Bus™ and are set to an address that determines the reporting zone number. The 711 and 711E each provide one Class B zone and the 714 provides four Class B zones for use with burglary and non-powered fire devices. The 715 provides four 12 VDC Class B zones for use with burglary and non-powered or powered fire devices.

**Zone Programming** - You can program the zones on the zone expander modules with any of the panel's burglary or fire zone types or as an Arming type zone when used with keyswitches.

**LX-Bus™ Wiring Distance** - The maximum distance for any one LX-Bus circuit is 2,500 feet. The maximum number of LX-Bus devices on any one 2,500 foot circuit is **40**. To increase the wiring distance and/or number of devices, you must install a DMP **710 Bus Splitter/Repeater Module**. Refer to the 710 Module's Installation Sheet (LT-0310) for complete information.

**Connecting the Module Wiring** - Connect the **Red, Green, Yellow, and Black** wires from the panel's keypad bus or LX-Bus™ to the matching terminals or harness wires on the zone expander. For the **715** module, connect the **Red** wire to the panel's **Smoke** power terminal. This allows **Sensor Reset** to drop power to the module and devices connected to its zones.

LT-0231 (12/96)

Specifications		Keypad Bus Zone Numbers		
<b>Operating Voltage:</b>	711, 711E, and 714 = <b>8.0 to 15.0 VDC</b> 715 = <b>9.9 to 15.0 VDC</b>	<b>Keypad Address</b>	<b>Switches TENS ONES</b>	<b>Zone Numbers</b>
<b>Operating Current:</b>	711 = <b>8mA</b> , 711E = <b>12mA</b> , 714 = <b>15mA</b> 715 = <b>25mA</b> + 30mA per smoke in alarm + 58mA per zone short alarm *	1	0 1	11 to 14
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<b>Size:</b>	711/711E - <b>1-1/4"W x 3-1/8"L x 1"H</b> 714/715 - <b>2-3/4"W x 4-1/2"L x 2"H</b>	4	0 4	41 to 44
		5	0 5	51 to 54
		6	0 6	61 to 64
		7	0 7	71 to 74
		8	0 8	81 to 84
		<b>Note:</b> 711 and 711E modules use zone 1 only. Zones 2 to 4 cannot be used for other devices.		

\* Pull stations, heat detectors, and other shorting devices.

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**Zone Programming** - You can program the zones on the zone expander modules with any of the panel's burglary or fire zone types or as an Arming type zone when used with keyswitches.

**LX-Bus™ Wiring Distance** - The maximum distance for any one LX-Bus circuit is 2,500 feet. The maximum number of LX-Bus devices on any one 2,500 foot circuit is **40**. To increase the wiring distance and/or number of devices, you must install a DMP **710 Bus Splitter/Repeater Module**. Refer to the 710 Module's Installation Sheet (LT-0310) for complete information.

**Connecting the Module Wiring** - Connect the **Red, Green, Yellow, and Black** wires from the panel's keypad bus or LX-Bus™ to the matching terminals or harness wires on the zone expander. For the **715** module, connect the **Red** wire to the panel's **Smoke** power terminal. This allows **Sensor Reset** to drop power to the module and devices connected to its zones.

LT-0231 (12/96)

Specifications		Keypad Bus Zone Numbers		
<b>Operating Voltage:</b>	711, 711E, and 714 = <b>8.0 to 15.0 VDC</b> 715 = <b>9.9 to 15.0 VDC</b>	<b>Keypad Address</b>	<b>Switches TENS ONES</b>	<b>Zone Numbers</b>
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## For 711, 711E, 714, and 715 Zone Expander Modules

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**LX-Bus™ Wiring Distance** - The maximum distance for any one LX-Bus circuit is 2,500 feet. The maximum number of LX-Bus devices on any one 2,500 foot circuit is **40**. To increase the wiring distance and/or number of devices, you must install a DMP **710 Bus Splitter/Repeater Module**. Refer to the 710 Module's Installation Sheet (LT-0310) for complete information.

**Connecting the Module Wiring** - Connect the **Red, Green, Yellow, and Black** wires from the panel's keypad bus or LX-Bus™ to the matching terminals or harness wires on the zone expander. For the **715** module, connect the **Red** wire to the panel's **Smoke** power terminal. This allows **Sensor Reset** to drop power to the module and devices connected to its zones.

LT-0231 (12/96)

**714/715 Zone Wiring** - These modules use a wire harness instead of terminals for wiring connections. The zone colors and polarity are shown to the right.

Harness Connector	Zone 1	White/Brown + Brown/White -
	Zone 2	White/Red + Red/White -
	Zone 3	White/Orange + Orange/White -
	Zone 4	White/Yellow + Yellow/White -

**Zone Expander Data LED** - The LED on the zone expanders flashes each time the module responds to a poll from the panel. If the LED stops flashing, there is a problem with the panel, panel programming, or the Green data wire between the panel and the zone expander module.

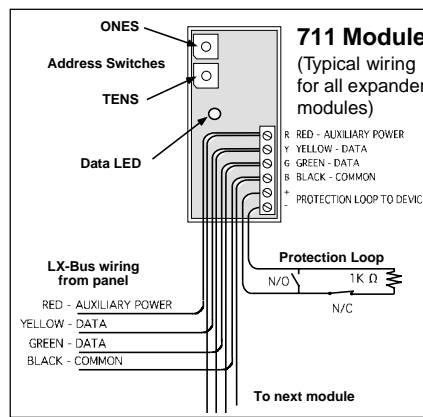
**Setting address switches** - 711, 714, and 715 Zone Expanders use two rotary switches (TENS and ONES) to set the module's address. For keypad bus addresses, set the **TENS** switch to zero and the **ONES** switch to address 1 to 8. For LX-Bus addresses, set the switches to match the last two digits of the addresses. Example, for address **102** set the switches to **TENS = 0** and **ONES = 2**.

**714/715 Zone Addressing** - These are 4-zone modules that, when set to an address, use four zone numbers. For example, setting the module to address 102 (**TENS = 0**, **ONES = 2**) makes the module's zone numbers 102, 103, 104, and 105.

**711/711E Zone Addressing** - These are 1-zone modules that, when set to an LX-Bus address, take up only one zone allowing you to assign additional expanders to the next zone address. When set to a keypad bus address, they use zone 1; the remaining 3 zones cannot be used.

**Example:** Switches set to address 102.

**Note:** For this type of switch, align the triangle with the address digit.



**711E Addressing** - Press and hold the **Address** button for two seconds until the Data LED flashes. Release the button then begin pressing it the number of times necessary to equal the first digit of the address. Wait two seconds, the Data LED flashes **once** indicating the first digit was accepted.

Immediately begin pressing the button the number of times necessary to equal the second digit of the address. Wait two seconds, the Data LED flashes **twice** indicating the second digit was accepted. The new address is now set and the 711E is ready for normal operation.

**Checking the 711E Address** - Press and release the Address button. The LED flashes the first address digit, waits one second, then flashes the second address digit. A **zero** digit in the address is indicated as a single 1.5 second flash.

**711/711E Fit in POPIT Case** - The 711 and 711E modules can be easily installed in the same plastic case used by the Radionics D8127 POPIT. Included with the modules is a small piece of insulating material that must be placed between the plastic base and the module's circuit board.

**714/715 Zone Wiring** - These modules use a wire harness instead of terminals for wiring connections. The zone colors and polarity are shown to the right.

Harness Connector	Zone 1	White/Brown + Brown/White -
	Zone 2	White/Red + Red/White -
	Zone 3	White/Orange + Orange/White -
	Zone 4	White/Yellow + Yellow/White -

**Zone Expander Data LED** - The LED on the zone expanders flashes each time the module responds to a poll from the panel. If the LED stops flashing, there is a problem with the panel, panel programming, or the Green data wire between the panel and the zone expander module.

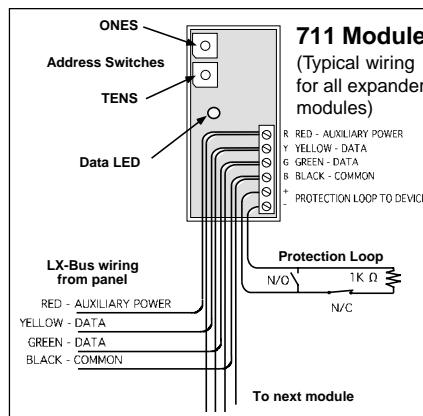
**Setting address switches** - 711, 714, and 715 Zone Expanders use two rotary switches (TENS and ONES) to set the module's address. For keypad bus addresses, set the **TENS** switch to zero and the **ONES** switch to address 1 to 8. For LX-Bus addresses, set the switches to match the last two digits of the addresses. Example, for address **102** set the switches to **TENS = 0** and **ONES = 2**.

**714/715 Zone Addressing** - These are 4-zone modules that, when set to an address, use four zone numbers. For example, setting the module to address 102 (**TENS = 0**, **ONES = 2**) makes the module's zone numbers 102, 103, 104, and 105.

**711/711E Zone Addressing** - These are 1-zone modules that, when set to an LX-Bus address, take up only one zone allowing you to assign additional expanders to the next zone address. When set to a keypad bus address, they use zone 1; the remaining 3 zones cannot be used.

**Example:** Switches set to address 102.

**Note:** For this type of switch, align the triangle with the address digit.



**711E Addressing** - Press and hold the **Address** button for two seconds until the Data LED flashes. Release the button then begin pressing it the number of times necessary to equal the first digit of the address. Wait two seconds, the Data LED flashes **once** indicating the first digit was accepted.

Immediately begin pressing the button the number of times necessary to equal the second digit of the address. Wait two seconds, the Data LED flashes **twice** indicating the second digit was accepted. The new address is now set and the 711E is ready for normal operation.

**Checking the 711E Address** - Press and release the Address button. The LED flashes the first address digit, waits one second, then flashes the second address digit. A **zero** digit in the address is indicated as a single 1.5 second flash.

**711/711E Fit in POPIT Case** - The 711 and 711E modules can be easily installed in the same plastic case used by the Radionics D8127 POPIT. Included with the modules is a small piece of insulating material that must be placed between the plastic base and the module's circuit board.

**714/715 Zone Wiring** - These modules use a wire harness instead of terminals for wiring connections. The zone colors and polarity are shown to the right.

Harness Connector	Zone 1	White/Brown + Brown/White -
	Zone 2	White/Red + Red/White -
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**Zone Expander Data LED** - The LED on the zone expanders flashes each time the module responds to a poll from the panel. If the LED stops flashing, there is a problem with the panel, panel programming, or the Green data wire between the panel and the zone expander module.

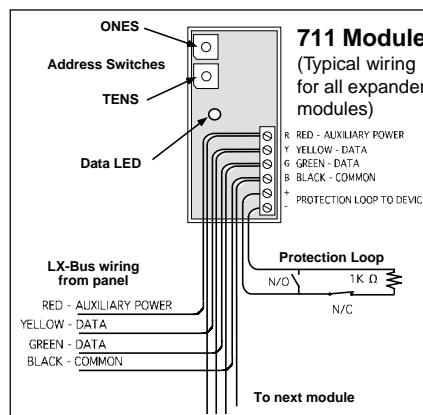
**Setting address switches** - 711, 714, and 715 Zone Expanders use two rotary switches (TENS and ONES) to set the module's address. For keypad bus addresses, set the **TENS** switch to zero and the **ONES** switch to address 1 to 8. For LX-Bus addresses, set the switches to match the last two digits of the addresses. Example, for address **102** set the switches to **TENS = 0** and **ONES = 2**.

**714/715 Zone Addressing** - These are 4-zone modules that, when set to an address, use four zone numbers. For example, setting the module to address 102 (**TENS = 0**, **ONES = 2**) makes the module's zone numbers 102, 103, 104, and 105.

**711/711E Zone Addressing** - These are 1-zone modules that, when set to an LX-Bus address, take up only one zone allowing you to assign additional expanders to the next zone address. When set to a keypad bus address, they use zone 1; the remaining 3 zones cannot be used.

**Example:** Switches set to address 102.

**Note:** For this type of switch, align the triangle with the address digit.



**711E Addressing** - Press and hold the **Address** button for two seconds until the Data LED flashes. Release the button then begin pressing it the number of times necessary to equal the first digit of the address. Wait two seconds, the Data LED flashes **once** indicating the first digit was accepted.

Immediately begin pressing the button the number of times necessary to equal the second digit of the address. Wait two seconds, the Data LED flashes **twice** indicating the second digit was accepted. The new address is now set and the 711E is ready for normal operation.

**Checking the 711E Address** - Press and release the Address button. The LED flashes the first address digit, waits one second, then flashes the second address digit. A **zero** digit in the address is indicated as a single 1.5 second flash.

**711/711E Fit in POPIT Case** - The 711 and 711E modules can be easily installed in the same plastic case used by the Radionics D8127 POPIT. Included with the modules is a small piece of insulating material that must be placed between the plastic base and the module's circuit board.