

6155LX Sharpshooter™ PIR

Description

The 6155LX is a Sharpshooter™ PIR sensor with a built-in DMP single point zone expander. You can connect the 6155LX directly to the 4-wire keypad bus of DMP XRSuper6, XR20, XR40, XR100 and XR500 Series Command Processor™ panels, as well as on the XR100 or XR500 Series panel LX-Bus™.

The LX-Bus™ is a 4-wire multiplex circuit that allows connection of multiple individually addressed zone, output, and protection modules to a panel.

Installing the 6155LX

Refer to the Sharpshooter™ installation instructions included with the product to install the PIR hardware. For PIR wiring and programming instructions, refer to the remainder of this document.

Connecting the 6155LX to the Keypad or LX-Bus™

The 6155LX contains an internal zone expander module and can connect directly to the 4-wire LX-Bus™ provided on 462N, 462P, 472, and 481 Expansion Interface Cards, or XR100/XR500 Series panels. The 6155LX uses only one zone number, allowing a one- or four-point zone expander to be assigned to the next zone number address. See **Addressing the 6155LX**.

The 6155LX also connects to the keypad bus. This, however, only allows one zone to be used for each address.

Wiring the 6155LX

Connect the expansion bus wiring to the 6155LX terminal block according to the wiring color code diagram shown in Figure 1.

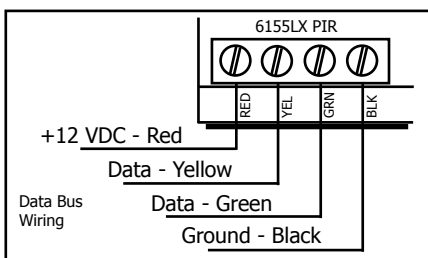


Figure 1: Wiring color code

PIR Cover Tamper Circuit

The tamper circuit for the 6155LX is integrated into the DMP zone expansion module. Opening the PIR case causes an open condition on the zone. Tripping the PIR causes a short condition on the zone.

Programming Requirements

Select the Night or Exit zone type for the PIR. This allows the alarm to be used in both the Armed Open and Armed Short conditions. Program Trouble for Disarmed Open to provide PIR tamper supervision during disarmed periods.

LX-Bus™ Addressing

When connecting the 6155LX to an XR100 or XR500 panel LX-Bus, set the switches labeled TENS and ONES to match the last two digits of the panel zone number you want to assign to the 6155LX. For any zone number 500 to 599 on an XR500, simply set the switches to match the last two digits of the zone number. For example, to set the 6155LX to zone 520 on the first LX-Bus, set the TENS switch to 2 and the ONES switch to 0 as shown in Figure 2.

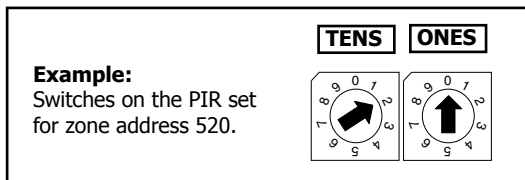


Figure 2: Rotary zone address switches

Keypad Bus Addressing

When the 6155LX is used on the keypad data bus, set the switches to match the device address. Only one zone is available for every address when using the keypad bus. For example, if the PIR is on address 3, only zone 31 can be used. Zones 32-34 are not available. See Table 1.

Keypad Address	Switch Settings		Zone Numbers by Panel Type				
	TENS	ONES	XRSuper6	XR20	XR40	XR100	XR500
1	0	1	7	11	11	11	11
2	0	2	21	21	21	21	21
3	0	3	31	31	31	31	31
4	0	4	41	41	41	41	41
5	0	5	N/A	N/A	51	51	51
6	0	6	N/A	N/A	61	61	61
7	0	7	N/A	N/A	71	71	71
8	0	8	N/A	N/A	81	81	81
9	0	9	N/A	N/A	N/A	N/A	91
10	1	0	N/A	N/A	N/A	N/A	101
11	1	1	N/A	N/A	N/A	N/A	111
12	1	2	N/A	N/A	N/A	N/A	121
13	1	3	N/A	N/A	N/A	N/A	131
14	1	4	N/A	N/A	N/A	N/A	141
15	1	5	N/A	N/A	N/A	N/A	151
16	1	6	N/A	N/A	N/A	N/A	161

Table 1: Keypad data bus addresses

Specifications

Operating Power 8.8 VDC to 15.0 VDC
 Primary Power 12 VDC
 Current Draw 23mA typical
 25mA maximum
 Alarm Duration 2 seconds to 5 seconds
 Operating Temp 0°F to 120°F
 Humidity 10% to 90%,
 non-condensing
 Pulse Count Bidirectional, 1 event
 (2 pulses) or 2 events
 (4 pulses)

Compatibility

The 6155LX detector is compatible with Command Processor™ panels:
 XRSuper6, XR20, XR40, XR100 and XR500

Listings and Approvals

FCC Part 15



800-641-4282

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