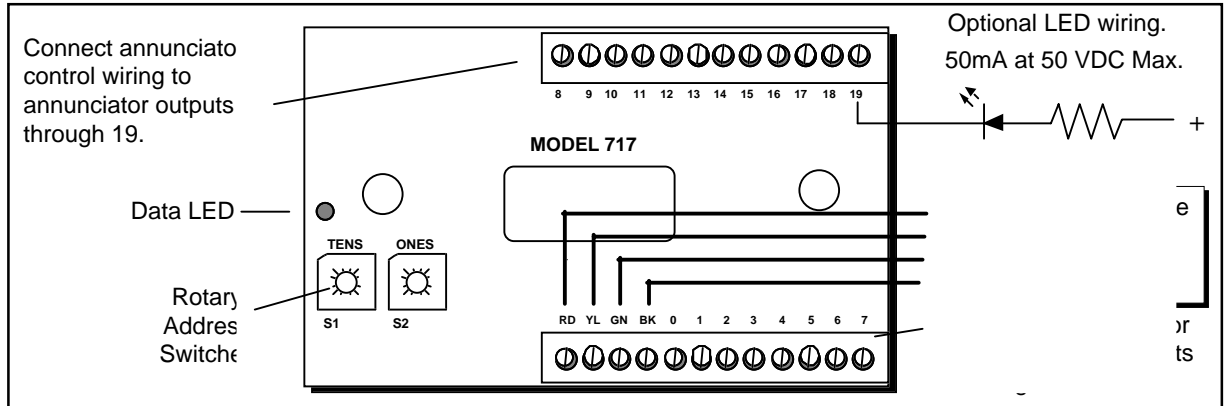


**Description**

The 717 Graphic Annunciator Module provides 20 open collector annunciator outputs that follow the armed and bypassed state of assigned panel zones. The 717 connects to the panel's 4-wire LX-Bus™ and is addressed using two on-board rotary switches to match a range of zones on the panel, keypad data bus, or LX-Bus.

You can install multiple 717 modules on the LX-Bus to provide a variety of remote annunciation and control applications.

**Module Diagram**



**Figure 1: 717 module terminal descriptions**

**Addressing the 717 Module**

You must first set the 717 to one of eight addresses to designate which zones the annunciator outputs will follow. The tables below show the module addressing for LX-Bus, panel, and keypad data bus zones.

Address 00		Address 20		Address 40		Address 60		Address 80	
Zones	Terminal	Zones	Terminal	Zones	Terminal	Zones	Terminal	Zones	Terminal
100 - 119	0 - 19	120 - 139	0 - 19	140 - 159	0 - 19	160 - 179	0 - 19	180 - 199	0 - 19
200 - 219	0 - 19	220 - 239	0 - 19	240 - 259	0 - 19	260 - 279	0 - 19	280 - 299	0 - 19

**Table 1: 717 addresses for zones 100 to 199 (1912XR and XR200) and 200 to 299 (XR200 only).**

As shown above, each 717 address accommodates a specific range of 20 zone numbers. These zone numbers are all LX-Bus, or expanded, zones. For zones on the panel or keypad data bus, use the following addresses to allow the annunciator outputs to follow the armed activity these zones.

Address 01		Address 11				Address 51			
Zone/Terminal	Zone/Terminal	Zone/Terminal	Zone/Terminal	Zone/Terminal	Zone/Terminal	Zone/Terminal	Zone/Terminal	Zone/Terminal	
<b>1</b>	0	<b>11</b>	0	<b>23</b>	6	<b>41</b>	12	<b>51</b>	0
<b>through</b>		<b>12</b>	1	<b>24</b>	7	<b>42</b>	13	<b>52</b>	1
<b>10</b>	9	<b>13</b>	2	<b>31</b>	8	<b>43</b>	14	<b>53</b>	2
-	-	<b>14</b>	3	<b>32</b>	9	<b>44</b>	15	<b>54</b>	3
-	-	<b>21</b>	4	<b>33</b>	10	-	-	<b>61</b>	4
-	-	<b>22</b>	5	<b>34</b>	11	-	-	<b>62</b>	5
								<b>74</b>	11

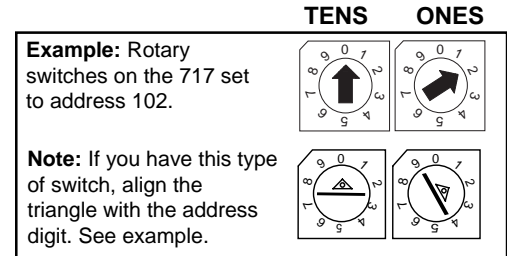
**Table 2: 717 addresses for panel and keypad data bus zones.**

To determine the correct terminal for a particular keypad zone, just look for the zone number (shown in bold) and match it with the annunciator output terminal number to the right.

## Setting the Rotary Switches

The 717 provides two rotary switches labeled **ONES** and **TENS** that you use to set the module's address.

To set the address, use a small slotted screwdriver and gently turn the center arrow clockwise to the number that matches the address you want. See example to the right.



**Figure 2: Address switch settings**

## Changes in Armed Zone States

The 20 annunciator outputs on the 717 module then follow the armed state of their respective zones in normal, open, and shorted conditions. See below:

Panel	Armed Zone State	The 717 Annunciator Output Action
1912XR XR200	Normal Normal	Off - No ground reference Off - No ground reference
1912XR XR200 XR200	Alarm, Trouble, wireless lo batt, missing Trouble, wireless lo batt, missing "A" or "L" in Report to transmit	On - Steady short to ground On - Steady short to ground Pulse (1.6 seconds On, 1.6 seconds Off)
1912XR XR200	Zone Bypassed Zone Bypassed	Slow pulse (1.6 seconds On, 3.2 seconds Off) Slow pulse (1.6 seconds On, 4.8 seconds Off)

As an example, annunciator output terminal #1 on a 717 set to address **00** *shorts to ground* each time zone 101 is in alarm, trouble, or (if wireless) the point has a low battery or is missing. This feature allows the panel to operate control relays or to light lamps or LEDs to indicate changes in the state of specific zones.

## Wiring the 717 Module

You can connect the 717 anywhere along the length of the LX-Bus. This allows you to install the module at a graphic annunciator or control equipment. The 717 module provides two screw type terminal blocks for connecting the LX-Bus wiring and the wiring from annunciation or control circuits. Each terminal's function is clearly labeled on the 717 circuit board in front of its wire opening.

## Supervised Operation

You can install the 717 as a supervised device by connecting all four wires of the data bus to the module and programming an appropriate zone as a **Supervisory** type.

717 Address	00	01	11	20	40	51	60	80
Supervisory Zone	100	101	111	120	140	151	160	180

When installing **Zone Expander** modules on the same LX-Bus as a supervised 717 module, start *their* address at the next zone number. For example, a 717 set to address 20 uses zone 120 for supervision. A zone expander on the same bus would be set to address 21 to start at zone 121.

If a supervised 717 module loses communication with the panel, an open condition (Trouble) is indicated on its Supervisory zone.

## Non-Supervised Operation

For a non-supervised 717, connect only the **Red**, **Black**, and **Green** wires from the LX-Bus to the module.

Non-supervised operation allows you to install multiple 717 modules and set them to the same address. You do not need to program a zone address for non-supervised operation.

## Rugged Plastic Housing

The 717 Graphic Annunciator Module is mounted in a rugged, decorative plastic housing suitable for installing outside the panel enclosure on walls or on single gang boxes.