

XR100 and XR500 Series Hardware Update

June 2011

Hardware Update

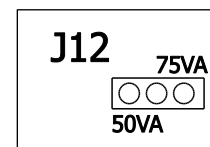
Beginning June 2011, all XR100 and XR500 Series Panels are being manufactured with updated Level 'N' hardware.

Updated Hardware

Level N Hardware

The XR100 and XR500 Series panel Rev 9 PCB with Level N hardware now provides a three pin header (J12) with a two pin jumper to select the use of the Model 327 50VA, Models 322/323 56VA transformers, or the new Model 324 100VA wire-in transformer.

The following sections of the XR500 Installation Guide (LT-0681) and the XR100 Installation Guide (LT-0899) discuss the panel output current ratings based on transformer usage.



1.1 Power Supply

Transformer Input: Model 327, plug-in – Primary input: 120 VAC, 60 Hz, Secondary output: 16.5 VAC 50 VA
Model 322/323, wire-in – Primary input: 120 VAC, 60 Hz, Secondary output: 16 VAC 56 VA
Model 324, wire-in – Primary input: 120 VAC, 60 Hz, Secondary output: 16 VAC 100 VA

Standby Battery: 12 VDC, 1.0 Amps Max. charging current
Models 365, 366, 367, 368, or 369
Replace every 3 to 5 years

* Auxiliary: 12 VDC output at 1.5 Amp Max

* Bell Output: 12 VDC at 1.5 Amp Max

All circuits are inherent Power Limited except the red battery wire and AC terminal.

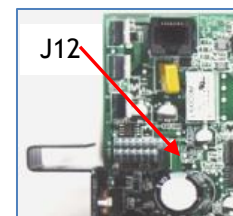
* For Commercial Burglary and Fire installations, see the Compliance Instructions section. See section 5.3 J12 3-Pin Header for Transformer Types for panel output 2 Amp or 3 Amp current limitations.

5.3 J12 3-Pin Header for Transformer Types

Place the jumper on the left two pins labeled 50VA for a Maximum 2 Amp (Bell+Aux+Smoke=2 Amp) when using the Model 322/323 56VA, or 327 50VA plug-in transformer (default).

Place the jumper on the right two pins labeled 75VA for a Maximum 3 Amp (Bell+Aux+Smoke=3 Amp) when using the Model 324 100 VA wire-in transformer.

Note: For UL Commercial Fire installations, refer to the Universal Fire Alarm Specifications, Transformer section, for more information.



6.9 Standby Battery Selection

To choose the type and number of batteries needed for 24, 60, or 72 hours of standby power based on the Amp Hours Required calculation from section 6.8 XR500 Series Power Requirements, perform the following:

1. Select the desired standby hours required from the table below: 24, 60, or 72 hours
2. Select the desired battery size: Model 368 (12 VDC 4.5 Ah), Model 369 (12 VDC 7 Ah), Model 367 (12 VDC 7.7 Ah), Model 365 (12 VDC 9 Ah), Model 366 (12 VDC 18 Ah).
3. Select a Max. Ah Available number that is just greater than the number calculated in Amp Hours Required.
4. Install the number of batteries shown in the corresponding No. of Batteries required column.

Example: If the Amp Hours Required calculation equals 22 Ah for 24 hours of standby time and 4.5 Ah batteries are desired, install six (6) Model 368 (12 VDC, 4.5 Ah) batteries.

Note: You can use either a Model 327 Plug-in 50 VA or Model 322/323 Wire-in 56 VA with up to 36 Ah of batteries. The Model 324 Wire-in 100 VA Transformer may be used with any of the battery choices listed in the standby power tables in section 6.9 of the XR100/XR500 Installation Guide.