

An AC terminal block P/N 5012ATB is available for the MS-5012 Control Communicator backbox. The AC terminal block is mandatory for Canadian versions and optional for all other versions of the MS-5012. The terminal block can only be used on the newer, larger (14.5" x 12.5" x 2.875") backbox. It cannot be installed in the older, smaller (12.0" x 9.0" x 2.75") backbox.

**FireLite MS-5012  
AC Terminal Block**  
**Product Installation Drawing**  
Document 50491 Rev B 1/28/97 ECN 96-493

**CAUTION! Make certain all power (AC and battery) is removed before any connections are made.**

1. Mount the optional AC terminal block to the lower left of the MS-5012 backbox using two supplied screws.
2. Connect AC power wiring to the optional terminal block as shown in the illustration below.
3. Connect the black and white wires (primary) from the MS-5012 system transformer to the optional terminal block as illustrated below. (Make certain the black AC wire (Hot) is connected opposite the black transformer wire and the white AC wire (Neutral) is connected opposite the white transformer wire).
4. Make certain that the yellow wires (secondary) from the MS-5012 system transformer are connected to Terminal Block TB1 located in the lower left corner of the MS-5012 main circuit board.
5. Install jumper between the terminal block and the backbox ground stud as illustrated below. This will be used to provide lightning protection to the panel. (Make certain the jumper is connected opposite the green AC ground wire on the terminal block).
6. Install a solid earth ground connection to the backbox ground stud as illustrated below. This will be used to provide lightning protection to the panel.
7. Press the AC terminal cover firmly into place.
8. Reapply AC and battery power to the MS-5012 Control Communicator.

