ZNAC-PS Class A Converter Module
Product Installation Document

PN LS10228-000GE-E:A 7/20/2020 151043

1 Overview

The ZNAC-PS Converter Module can be used to convert up to seven (7) Class B notification appliance circuits to seven (7) Class A notification appliance circuits on the PS Series 6 amp or 10 amp power supply. Circuits #1 and #2 provide Class A supervision when used as resettable or non-resettable auxiliary power, or NAC output (not intended for use as door holder operation).

2 Hardware

The ZNAC-PS comes with all hardware required to mount to the PS Series PCB:

- ✓ one (1) connector header
- ✓ four (4) male/female 4-40 x 0.5” standoffs
- ✓ two (2) male/female 4-40 x 1.093” standoffs

3 Installation

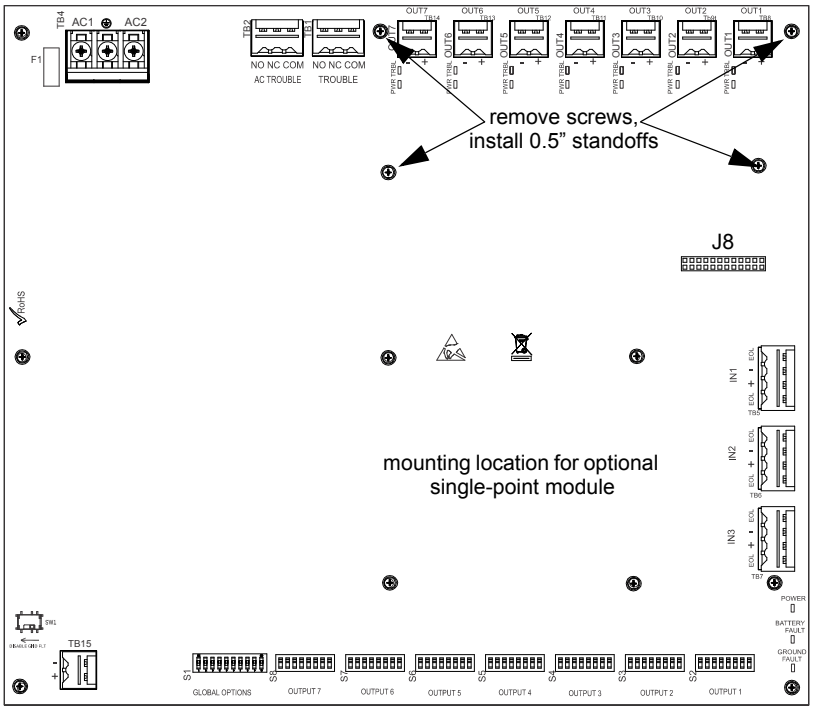
The ZNAC-PS mounts to connector J8 on the right side of the main circuit board. Follow the steps below to install the ZNAC-PS Converter Module.

CAUTION: STATIC SENSITIVE COMPONENTS

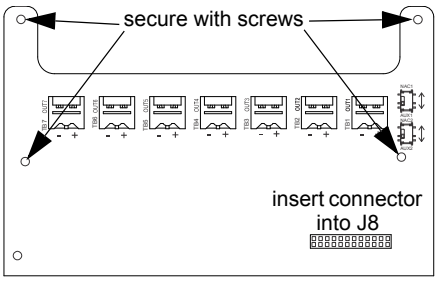
CIRCUIT BOARDS CONTAIN STATIC-SENSITIVE COMPONENTS. ALWAYS GROUND YOURSELF WITH A PROPER WRIST STRAP BEFORE HANDLING ANY BOARDS SO THAT STATIC CHARGES ARE REMOVED FROM THE BODY. USE STATIC SUPPRESSIVE PACKAGING TO PROTECT ELECTRONIC ASSEMBLIES.

3.1 Without a Multi-module

1. Remove the four (4) mounting screws which secure the PCB to the backbox.
2. Install the four (4) supplied 0.5” standoffs into the mounting holes.
3. Insert the ZNAC-PS header into connector J8 on the PCB, aligning the mounting holes over the standoffs.
4. Secure the ZNAC-PS with the screws removed in step 1.



10 Amp Power Supply



ZNAC-PS Module

Figure 1 Installing the ZNAC-PS

3.2 With a Multi-module

The power supply has mounting locations for either a single-point or multi-point module. (The location for the single point module is shown in Figure 1.) When using the ZNAC-PS with a multi-point module, the ZNAC-PS must be installed first, with the module over it. Install as directed below.

1. Remove the four (4) mounting screws as indicated in Figure 1.
2. Replace with the four (4) 0.5” standoffs as indicated in Figure 1.
3. Remove the two (2) mounting screws from the lower middle section of the PCB as indicated below.
4. Replace with two (2) 1.093” standoffs.
5. Insert the ZNAC-PS header into connector J8 on the PCB as indicated in Figure 1.
6. Secure the top of the ZNAC-PS with two (2) screws removed in step 1.
7. Insert another set of two (2) 0.5” standoffs, supplied with the module, in the lower mounting holes of the ZNAC-PS.
8. Position the multi-module over the four (4) standoffs and secure with remaining screws.

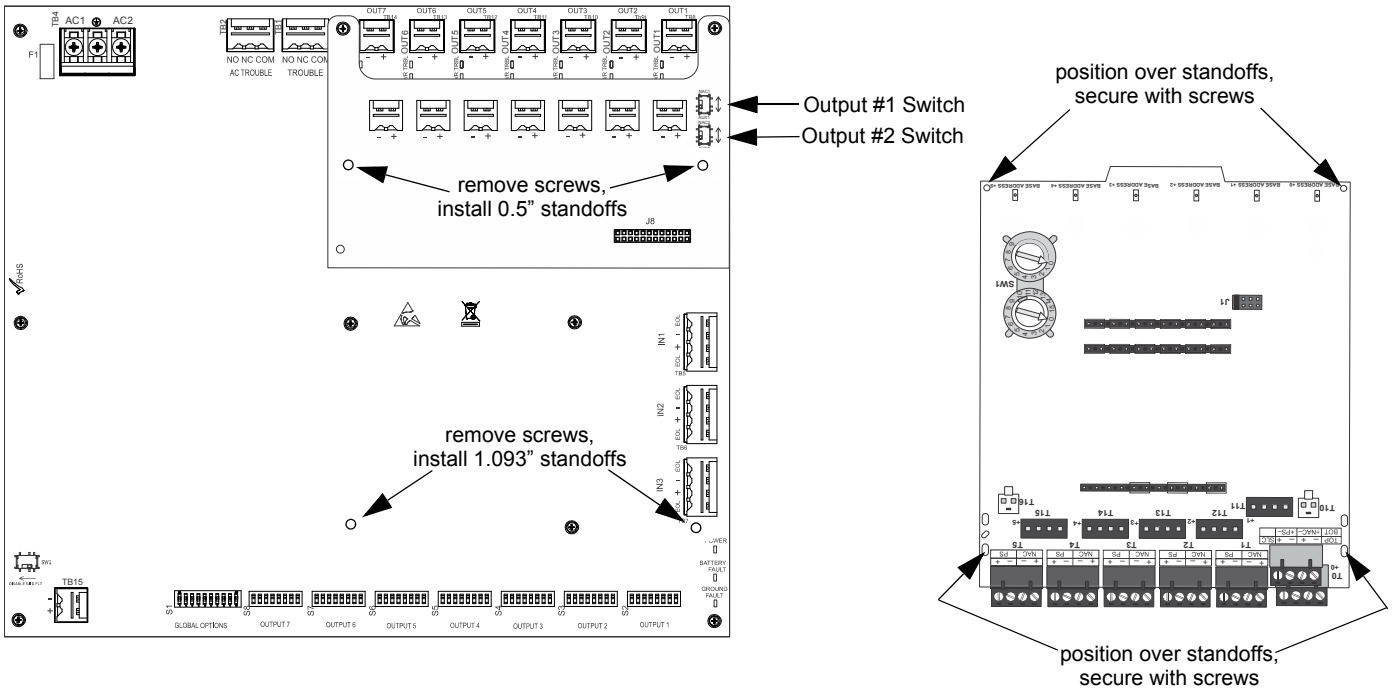


Figure 2 Installing the ZNAC-PS and a Multi-module

3.3 Enabling Aux Power Supervision

Output circuits #1 and #2 provide Class A supervision when configured for auxiliary power (not intended for door holder operations). (Refer to Figure 2 for switch locations.) Slide switch downward to enable auxiliary power supervision. Slide switch upwards when output is configured as a NAC output.