Power Supply Board Installation Instructions (MN-PSU-6A)

The Power Supply Board mounts inside a cabinet to power a database unit or door/alarm controller.

The Power Supply Board uses a supply voltage of 19Vac, 20Vac or 24Vdc and produces a maximum of 6.5A @ 12Vdc (maximum of 6A for system power, and 500mA for battery recharge). Power-limited outputs are provided for external door locks or auxiliary outputs. For installations requiring UL compliance, the Power Supply Board must be powered by a 19Vac supply.

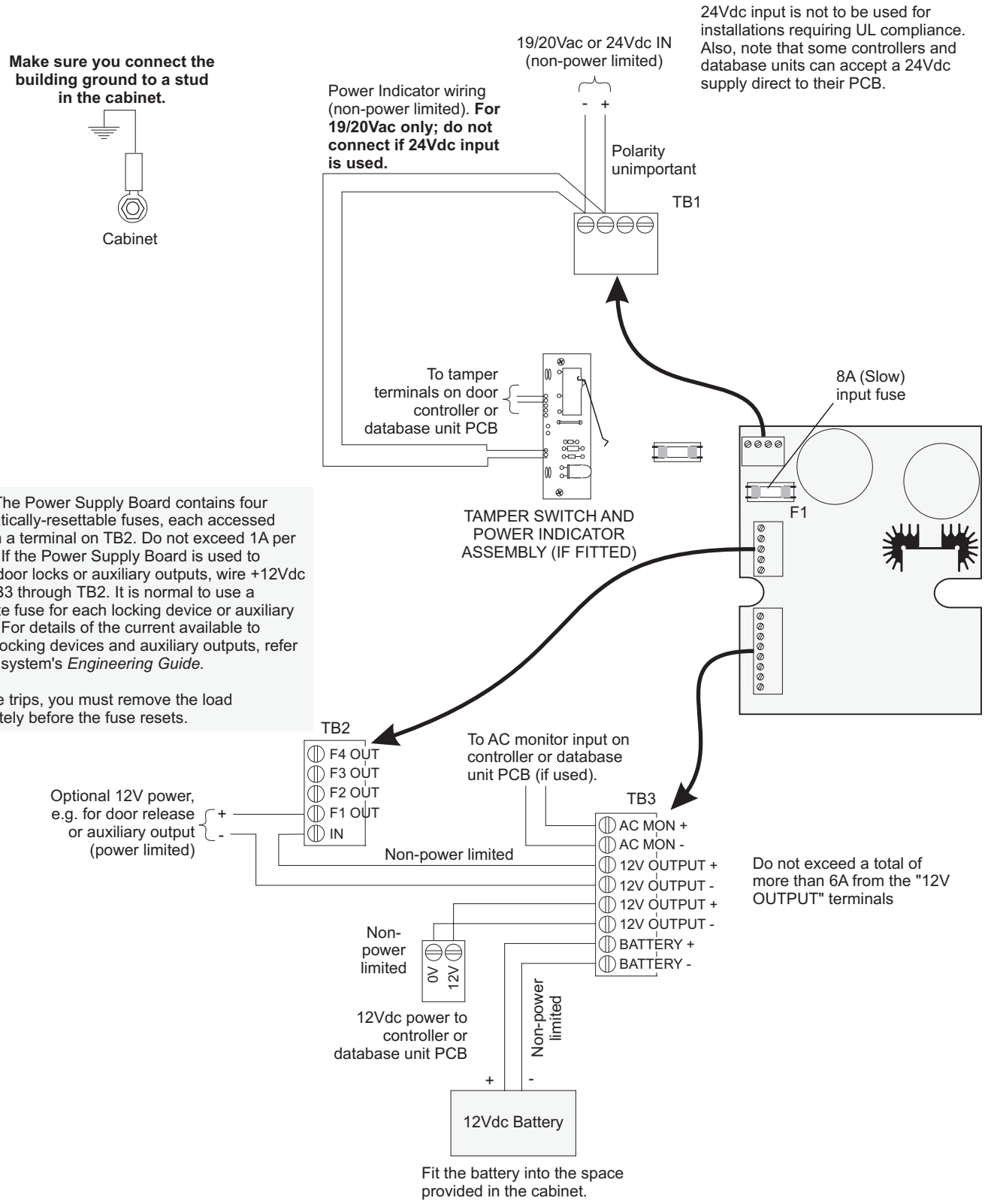
Note: For installations requiring UL compliance, input power must be provided using an external 130VA transformer that is power limited and UL Listed for Access Control Systems and Accessories.

UL compliance requires power-limited and non-power-limited wiring to be separated by at least 0.25" (7mm). All interconnecting devices must be UL Listed.

Please refer to the appropriate cabinet installation instructions for details of mounting the PSU in the cabinet.

Note: Care must be taken not to exceed the maximum 12Vdc rating of the power supply. Refer to your system's *Engineering Guide* for information about the current required for each type of board, or for other information.

1 Power Supply Connection Details



9600-0423. Power Supply Board Installation Instructions (MN-PSU-6A), Issue 1.3.1 3rd December 2009.
NOTE: This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference. In which case, the user will be required to correct the interference at his own expense.

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Specifications
Supply input: 150VA max. @ 20Vac 50-60Hz or 24Vdc.
Supply output: 6.5A max. @ 12Vdc (nominal)
Operating temperature range: 14 to 131°F (-10 to 55°C);
Humidity: 15 to 90%, non-condensing; indoor use only.
Compliance: EN50133, 1999/5/EC, UL 294 Listed.
Backup battery: 12V 7AH lead-acid. Battery capacity for emergency standby is at least 1 hour.
Part No: MN-PSU-6A.