



SPECIFYING POWER SUPPLIES

FOR SECURITY APPLICATIONS

881F5

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BY TIM O'LEARY

Power supplies for security systems take on duties beyond simply providing voltage. Frequently the power supply will be a functional "hub" of a system.

Although they do not usually handle data, power supplies will often perform switching functions, monitor and report their own status, and automatically compensate for changing site conditions such as brown outs, power interruptions, power surges and temporary increases in the system load.

Because there are so many different applications for power supplies, a large variety of power supplies are on the market, some specifically tailored to specific purpose. These include Access Control & Life Safety, Fire Alarm, Burglar Alarm and CCTV. Power supplies are also available which are designed to be used with specific locking devices or products.

The end-user probably will never even see the power supply you are installing, or even care about it, unless it malfunctions. Power supplies are not the type of item they will show their friends. But the installer and the persons responsible for keeping the system work-

ing care a great deal about the power supply, and you should specify the power supplies you use for your projects carefully and install them in a safe professional manner.

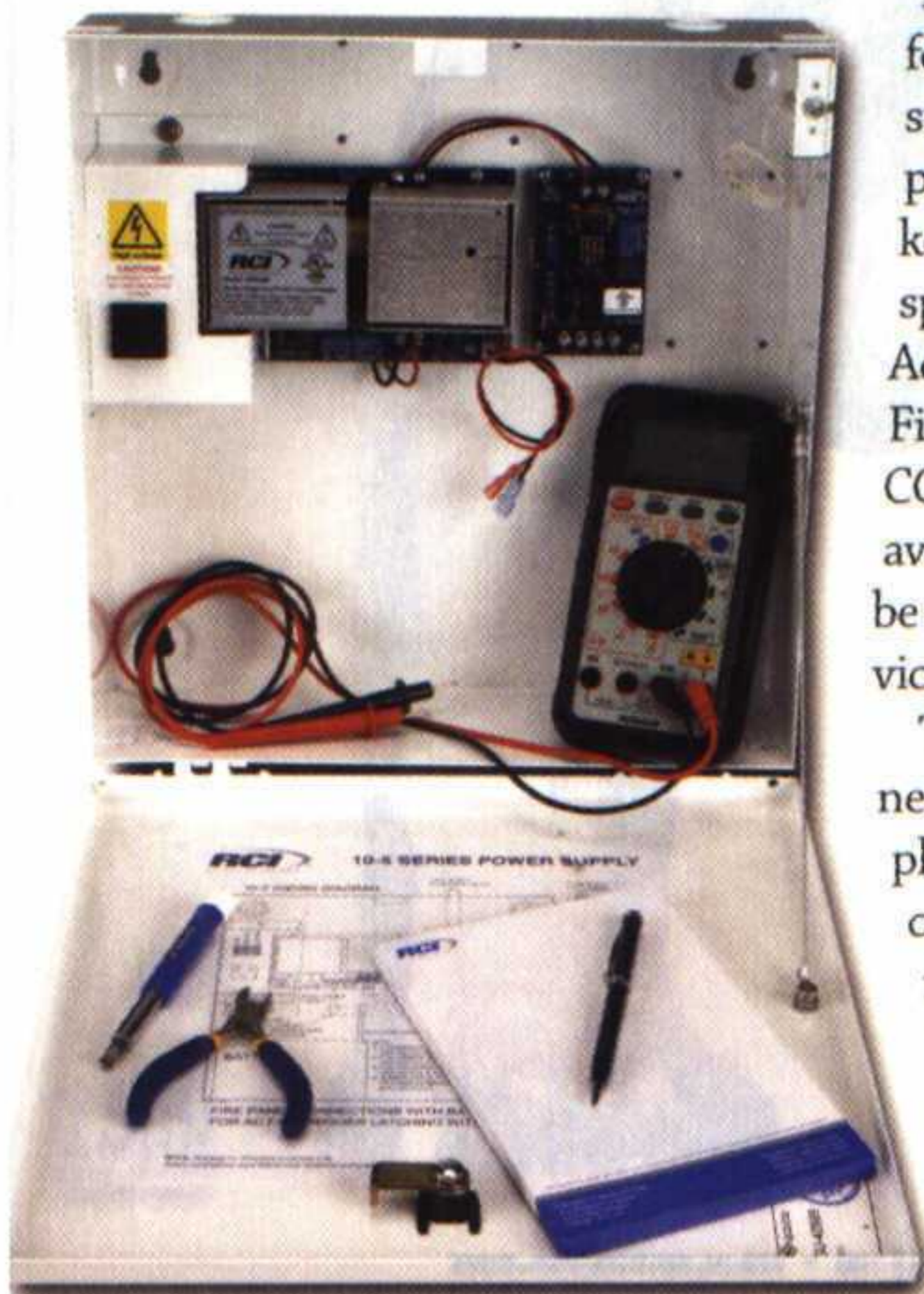
Be sure the power supply has the proper electrical ratings for the system you are installing; be sure that the power supply has the appropriate listing for your application. Take the time to plan your installation so that the line voltage supply to your power supply is on an appropriately sized and controlled branch circuit. That way, you can easily verify your power supply is getting power, and you can readily interrupt power or inspect the circuit breaker providing power to your supply if you need to for troubleshooting or maintenance of the system.

Most power supply manufacturers are tuned in to the needs of their market and strive to provide quality products, technical support, and warranties to keep you a happy and local customer. Below, we include details on some of the available power supplies.

RCI 10-5 POWER SUPPLY

RCI's filtered and regulated 10 Series DC Power Supplies are designed with safety, reliability, and ease of installation in mind. The 10-5 incorporates many life safety options including fire panel interface, instant unlock upon power failure and remote override reset capabilities for authorized personnel.

With the Installer in mind, RCI changed the door to a drop down lid to provide a usable work



RCI 10-5 with drop lid

