

APPLICATION NOTES

DESCRIPTION OF PROTECTION FEATURE FOR POWER SUPPLY

250-12DC, 250-12-DC-DIM, 250-12DC-240, 250-12DC-277



The 250-12DC is a four channel power supply designed to supply 60W per channel. The power supply independently monitors the current output of each channel. If the current load attached to the power supply causes the current draw to exceed the maximum safety threshold of 5A, the power supply goes into a hiccup mode. When the load returns below the threshold limit the power supply will return to normal operation.

When a fault condition occurs, the installer must determine the cause of the overload. Check the recommended loading for the LED type color and make sure that the number of modules connected to each channel does not exceed the recommended maximum. Also check connections to verify that there are no short circuits or other paths to ground that may cause excessive draw and no more than four Permlight 250W power supplies are connected to a branch circuit. Verify the power supply is connected to a dedicated VAC source line.

Caution:

When trouble shooting and clearing over load or short circuit conditions take all appropriate and standard precautions to avoid contact with the VAC source line. Remove the primary side power through a disconnect switch or a branch circuit interruption device before reconfiguring system connections.

If further assistance is required or you have any questions concerning the above procedure, please call Permlight Customer Service at (714) 508-0729.

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