CE-DC12V18 Install Guide

18 Ch, 12VDC Power Supply - 20A Total Output

⚡ **⚠ CAUTION ⚠**

TO REDUCE THE RISK OF ELECTRIC SHOCK, DO NOT DISASSEMBLE. NO USER SERVICEABLE PARTS INSIDE. REFER SERVICE TO QUALIFIED PERSONNEL.

The lightning flash with arrowhead symbol within an equilateral triangle is intended to alert the user to the presence of an insulated DANGEROUS VOLTAGE within the product's enclosure that may be of sufficient magnitude to constitute an electric shock.

The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance.

WARNING:

• To reduce the risk of fire or electric shock, do not expose the unit to rain or moisture.
• This installation should be made by qualified service personnel and should conform to all local codes and in accordance with the National Electrical Code.
• Use 165°F (75°C) or higher rated UL insulated wiring, 18AWG minimum, for connecting the power supply to cameras.
• For Indoor Use Only!
• Risk of electrical shock and/or equipment damage. Disconnect power before servicing this appliance.

CAUTION:

• Maintain a 1/4" of separation between the AC mains and all low voltage DC wiring.
• A readily accessible switched circuit breaker must be available to disconnect main power as required.
• This unit contains no user-serviceable parts, installation and servicing should only be made by qualified personnel.
• Install in accordance with local regulations and national electric code.
• Measure output voltage before connecting devices. This helps avoid potential damage.

1. Mount to Surface

Begin by first ensuring the power switch is in the OFF position. Mark the top-center mounting hole, then install a screw to hang the power supply on wall (mounting hardware not included). Hang the power supply over the upper screw, check level, then mark the bottom hole locations. Remove power supply from wall, then drill holes for two lower screws. Re-hang the power supply and install two lower screws.

2. Remove Conduit Knockouts

Remove the desired 1/2" knockout plugs on the top or side of the power supply housing for the camera power wires to pass through. OPTIONAL: Install 1/2" EMT conduit connector (not included) and nut (not included) for use with electrical conduit.

3. Connect Wires

Feed 18AWG wire (or larger gauge) into the open 1/2" conduit holes of the power supply. Connect CCTV cameras (or other external loads) to the appropriate terminals. The power supply is labeled (**+**) for **positive** and (**-**) for **negative**. Be sure to maintain proper polarity! Cameras may be damaged or not function correctly if polarity is reversed. Tighten terminal connections with Phillips head screwdriver.
IMPORTANT: Ensure low-voltage 12VDC camera power/output wiring maintains a minimum 1/4" distance from main/input 110VAC power wiring.

4. Connect Main AC Power

Connect included AC power cord to power input on left side of power supply enclosure, then plug into 100~110VAC main power (60Hz). If the AC source is 220VAC, set the switch on the bottom of the enclosure to 220V. Switch the power from OFF to ON. The LED indicators on the front door should illuminate Green for good AC power input, and Red for good DC power output. With proper camera power wire connections the green LED indicators on the 18 channel terminal board should illuminate. If an LED is not illuminated, check terminal connections polarity and check camera wiring for shorts.

5. Check Voltage at Cameras

Measure the voltage output at the cameras. If the camera is not receiving 12 Volts (±10%), increase the voltage output by locating the voltage adjustment potentiometer (on the AC to DC transformer) and rotate the adjustment potentiometer clockwise. Adjustable from 11.5V~14V.

6. Secure Door

Upon completion of wiring, secure enclosure door with the included key lock, or secure the door to the enclosure with two screws (not included). Keep the key in safe place if using the lock.