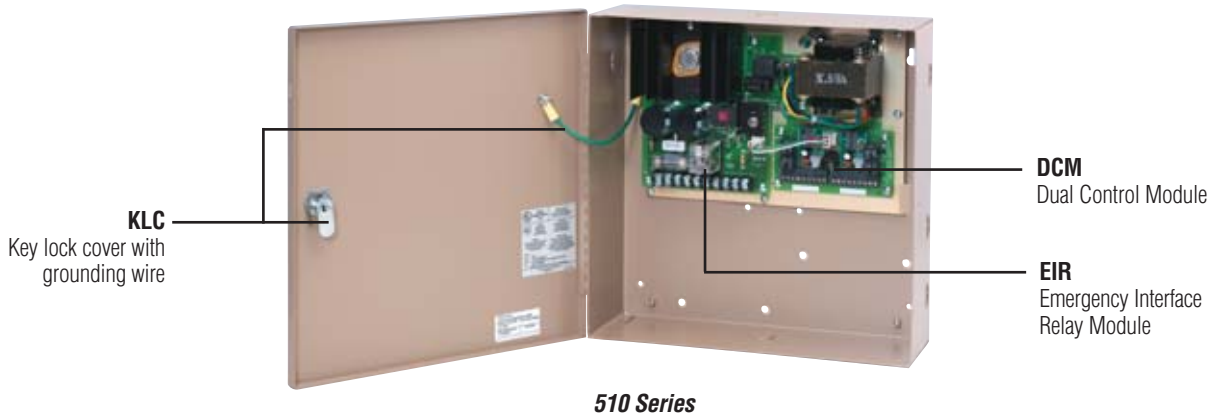


510 Series Power Supply



The 510 Series Power Supply offers the ultimate in versatility. Output voltage is field selectable with an on board switch: 3amp @ 12VDC and 2amp @ 24VDC. Like each of the of Locknetics power supplies the 510 is UL listed, filtered and regulated, with a built in battery charging circuit.

The 510 Series features modular electronics which offer flexibility, ease and convenience to power electronic locking systems. Plug-in dual control modules can be added for independent control of up to six zones. Each dual control module (DCM) can provide control for two independent zones. Up to three dual control modules can fit into a control module rack (CMR). A plug-in adjustable relock time delay module (TDM) is available with a 0 to 30 second delay. It plugs into each zone of the dual control module to provide up to six TDM's in each power supply. An emergency interface relay (EIR) module plugs into the main circuit board to provide interface with approved fire or other emergency systems. A signal from the emergency systems will automatically and instantly unlock all

locks connected to the power supply. All of the modules – DCM, CMR, TDM, and EIR – can be easily configured in the factory or in the field. In some installations, it may be required by code that the locking device (fail safe type) be immediately unlocked upon actuation of an approved fire emergency system. Whenever this installation is required use the Emergency Interface Relay (EIR) and check with the authority having jurisdiction for approval of the proposed system hookup.

Standby battery kits (SBP2) may be added to the 510 Series power supply at the factory or in the field. See page H8 for recommended battery power to meet specific job requirements. A key lock cover is available as a factory installed option.

To select the proper power supply, be sure to supply sufficient current output. See the current capacity for Locknetics locking devices on page H7. Select the options required, which are outlined on pages H9 and H10, and determine standby battery power requirements, shown on page H8.

510 Series Power Supply

Specifications



505 KLC EIR



SBP2

ELECTRICAL

INPUT POWER*	120VAC 60HZ 1amp
OUTPUT VOLTAGE	12VDC Nominal (13.8VDC) 24VDC Nominal (27.6 VDC) Field Selectable Filtered and Regulated
OUTPUT CURRENT	3amp max. @ 13.8VDC 2amp max. @ 27.6VDC
PRIMARY FUSE SIZE	1amp, 5 x 20mm
BATTERY FUSE SIZE	6amp, 3AG
SECONDARY PROTECTION	Output overload protected by the regulatory circuit
CHARGING CIRCUIT	Built-in standard

* E versions available for environments which require 220VAC, 60HZ input power. Call factory for details.

MECHANICAL

ENCLOSURE	12"x12"x4" steel NEMA Grade 1 with conduit knockouts and hinged cover with lock down screws
COLOR/FINISH	beige/baked enamel
WEIGHT (Power Supply)	11 lbs.
WEIGHT (Each battery)	4 lbs.
INPUT TERMINALS	Barrier strip with (2) #6 screw terminals, protective cover (1) #10 ground screw
OUTPUT TERMINALS	Barrier strip with (10) #6 screw terminals (Basic unit only)

DESCRIPTION OF OPERATIONS

Output voltage is field selectable by slide switch. With line power applied, a green LED on the circuit board will be illuminated. This indicates constant power on the output terminals. When batteries are included power may be present on output terminals with the green LED illuminated and on line power present. When line power is present the built-in recharging circuit will keep the batteries charged.