



WALKER MAGNETICS

MAGNET CONTROL EQUIPMENT

Over **100**
Years of

**MAGNET
CONTROL
EXPERIENCE**

**Rectifier &
Controller**

**Battery
Back-up
Systems**

**Variable
Power**



Walker Magnetics

20 Rockdale Street
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Walker National

811 Kinnear Road
Columbus, OH 43212
(614)481-0007 FAX (614)481-0040

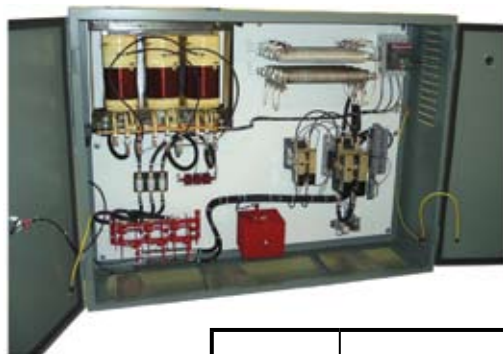
Walker Magnetics National

901 Arvin Avenue
Stoney Creek, Ont.
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(905)643-3338 FAX (905)643-6111

www.walkermagnet.com/mag

PCCU COMBINATION RECTIFIER AND MAGNET CONTROLLER

- Combines the AC to DC rectifier and magnet controller in one easy to mount enclosure
- AC line circuit breaker disconnect
- Three phase isolation transformer with plus or minus 10% taps
- Convection cooled silicon rectifier with fused protection
- Heavy duty DC mill type lift and drop contactors
- Magnet discharge circuit to dissipate stored inductive energy in magnets
- Reduced reverse voltage to quickly release the load
- Type 12 enclosure with lift off door and louvers for convection cooling standard, Type 3R available for outdoor use
- Heavy duty cab or pendant lift and drop switches



Options:

- a) AC input voltages
- b) 230 or 115 VDC output voltage
- c) Magnet selection feature to control individual magnets in multiple magnet handling systems
- d) AC latching control relays for use with radio control
- e) Reduced Initial Power feature to provide reduced initial magnet power with automatic transfer to full power
- f) Fanning/dribble feature to fan/dribble plate or scrap

MODEL NUMBER	POWER OUTPUT at 230 VDC	MAGNET CONTROL CAPACITY	DIMENSIONS (in.)			WEIGHT (lbs.)
			H	W	D	
PCCU-3	3 KW	13 AMPS	37	37	13	250
PCCU-5	5 KW	22 AMPS	37	37	13	320
PCCU-10	10 KW	44 AMPS	43	37	13	430
PCCU-15	15 KW	65 AMPS	43	48	13	475
PCCU-20	20 KW	87 AMPS	43	48	13	620
PCCU-30	30 KW	130 AMPS	43	60	13	875
PCCU-35	35 KW	150 AMPS	43	68	14	950

RC COMBINATION RECTIFIER AND MAGNET CONTROLLERS FOR USE WITH SMALLER MAGNETS

- 600 to 2,000 watt unit
- 115/60/1 VAC input standard
- AC to DC rectifier
- Magnet controller circuitry with magnet discharge circuit to dissipate stored inductive energy in magnets and reduced reverse voltage to quickly release the load
- Front mounted AC circuit breaker disconnect switch
- Type 12 enclosure with louvers for convection cooling
- Pendant lift-drop pushbutton station
- Optional fan feature to fan plates
- Optional battery back-up feature

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BATTERY BACK-UP SYSTEMS

- Instantaneous transfer to battery power in the event of an interruption in crane power
- 20 minute rated back-up time
- Solid state charging section with rapid charge and automatic transfer to float charge
- Display section with ammeter, voltmeter, magnet on battery indicator and 110 db warning horn
- Battery enclosure with racking and power disconnect switch
- Type 12 enclosures with louvers for convection cooling standard, Type 3R available for outdoor use
- Standby grade sealed gel cell absorbed electrolyte recombination lead acid batteries



DISPLAY



CHARGER CONTROL



BATTERY CABINET

BATTERY BACK-UP ENCLOSURE SIZES			
SYSTEM	DISPLAY	CHARGER CONTROL	BATTERY CABINET
115V-32AMP	8"h x 10"w x 4"d -9 lbs	36"h x 30"w x 10"d -175 lbs	(1) 42"h x 33"w x 20"d 600 lbs
115V-65AMP	8"h x 10"w x 4"d -9 lbs	36"h x 30"w x 10"d -175 lbs	(1) 42"h x 33"w x 16"d 800 lbs
115V-95AMP	8"h x 10"w x 4"d -9 lbs	36"h x 30"w x 10"d -175 lbs	(1) 53"h x 36"w x 20"d 1150 lbs
230V-32AMP	8"h x 10"w x 4"d -9 lbs	36"h x 30"w x 10"d -175 lbs	(1) 53"h x 30"w x 20"d 1000 lbs
230V-65AMP	8"h x 10"w x 4"d -9 lbs	36"h x 30"w x 10"d -175 lbs	(1) 42"h x 56"w x 24"d 1150 lbs
230V-95AMP	8"h x 10"w x 4"d -9 lbs	36"h x 30"w x 10"d -175 lbs	(1) 53"h x 48"w x 24"d 1950 lbs
230V-130AMP	8"h x 10"w x 4"d -9 lbs	36"h x 30"w x 10"d -175 lbs	(2) 42"h x 56"w x 16"d 1500 lbs
230V-190AMP	8"h x 10"w x 4"d -9 lbs	36"h x 30"w x 10"d -175 lbs	(2) 53"h x 48"w x 24"d 1950 lbs

VARIABLE MAGNET POWER CONTROL

- Used with plate lifting systems to select magnet power level to lift single or multiple plates off of a stack
- Multiple operator selected magnet power levels
- Interlocked with the hoist to provide full magnet power for transport and carry after the load has cleared the stack
- Pendant or cab selector switch
- Available AC control relays for use with radio control systems
- Type 12 enclosure with louvers for convection cooling standard, Type 3R available for outdoor use

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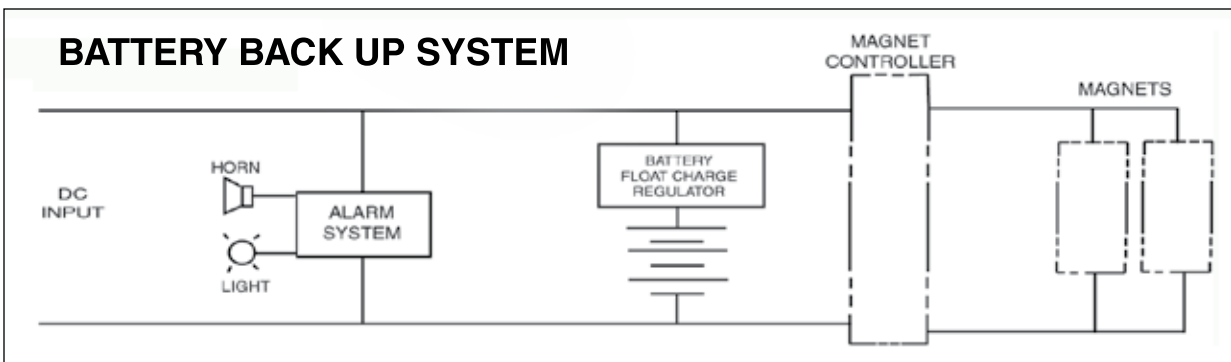
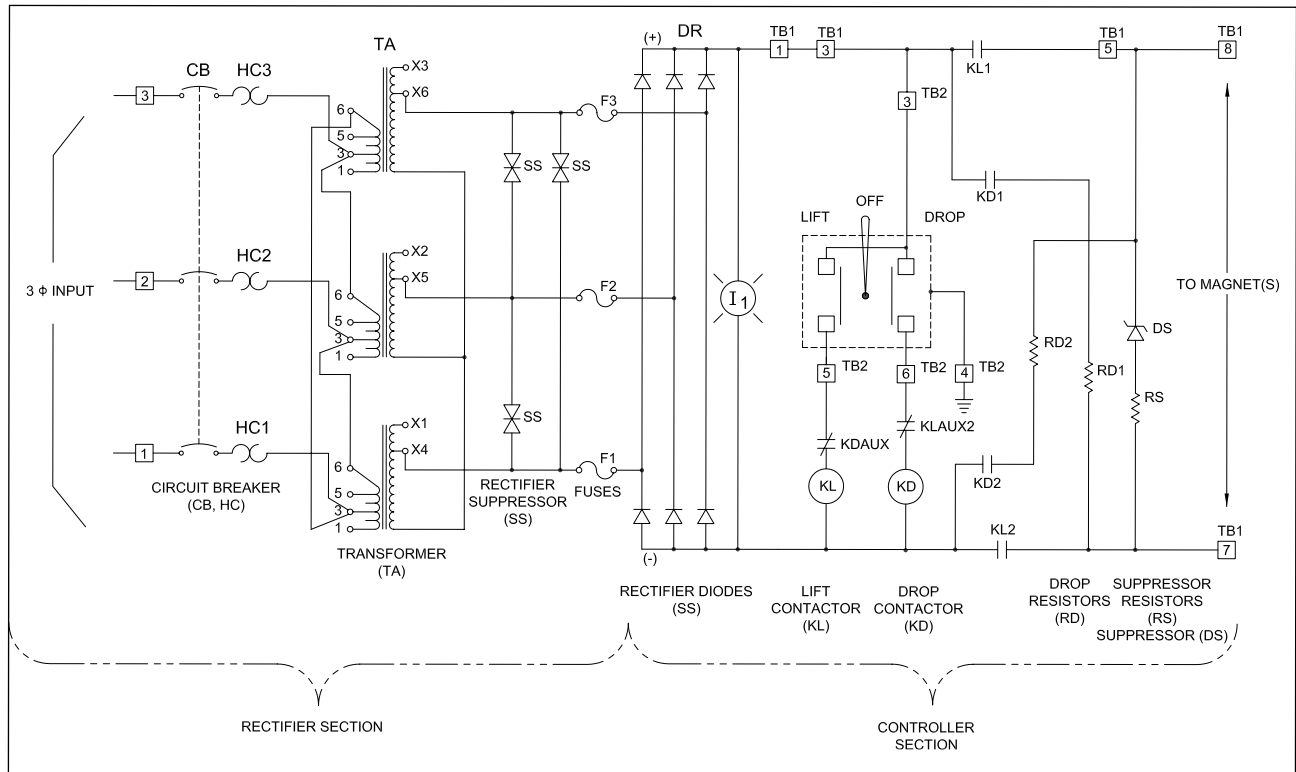
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RECTIFIER AND CONTROLLER



FOR USE WITH:



PLATE HANDLING
SYSTEMS



BUNDLE HANDLING
SYSTEMS



SCRAP HANDLING
SYSTEMS



COIL HANDLING
SYSTEMS

AND OTHER MAGNETIC MATERIAL HANDLING SYSTEMS.

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