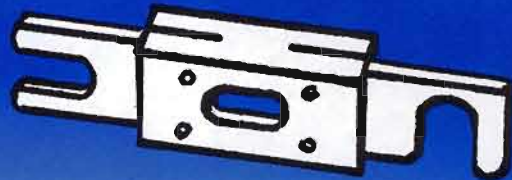
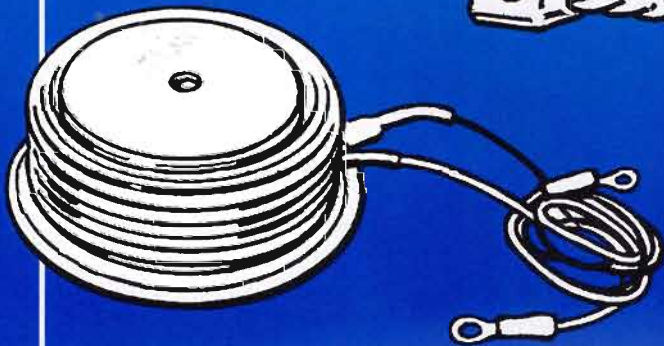
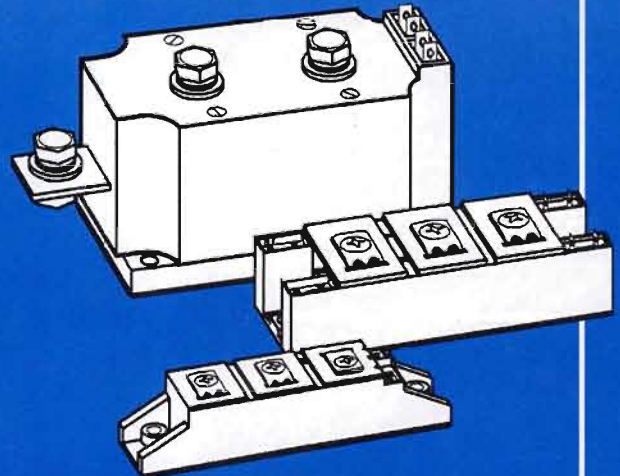
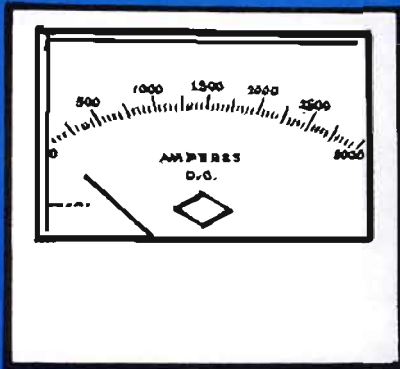




# DARRAH QUALITY

## Rectifier Replacement Parts



*If you need any information give us a call.  
Our engineers and service technicians are always available.*



**Darrah Electric Company**

CALL TOLL FREE 1-800-621-0014

[www.darrahelectric.com](http://www.darrahelectric.com)

## SILICON DIODES

Standard plating diode. A complete line of silicon diodes are in stock.

- 300 amp, 600 volt  
Forward polarity.....D30060  
Reverse polarity..... D30060R
- 300 amp, 200 volt  
Forward polarity.....D30020  
Reverse polarity.....D30020R

Call for our testing and installation instruction.



## SCR's/THYRISTORS

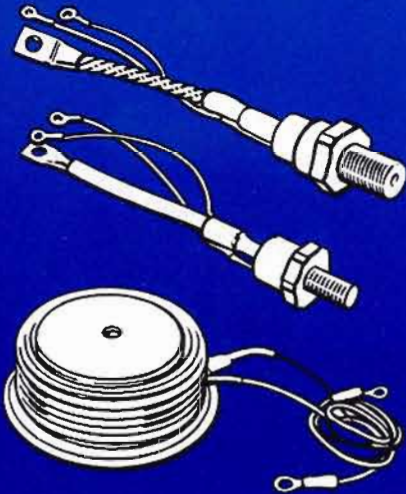
### Popular stud types

- 70C120B:  
1/2-20 stud type, 5" braided pigtail, rated at 70 amps, 1200 volts.
- 150C120B:  
3/4-16 stud type, 6 1/2" braided pigtail, rated at 150 amps, 1200 volts.
- T700123504BY:  
3/4-16 stud type, 9" braided lead, rated at 350 amps, 1200 volts.

### Popular puck types

- T9G0061203DH:  
1"x 3" hockey puck style, rated at 1200 amps, 600 volts.

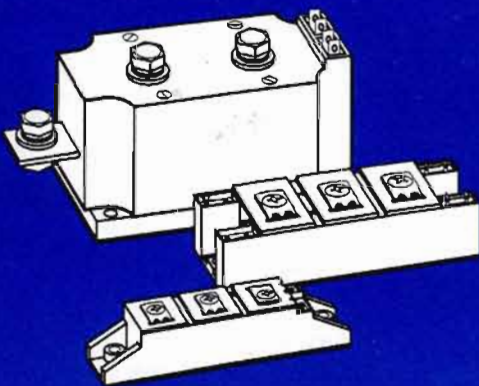
Darrah stocks a complete line of SCR's in all common voltage and current ratings. Call for a copy of our testing and installation instructions.



## DUAL SCR MODULE TYPES

- MCC95-12I01B: 116 amps, 1200 volts  
20.8 mm x 92 mm base\80 mm mtg.  $\bar{\Phi}$  -  $\bar{\Phi}$
- MCC95-16I01B: 116 amps, 1600 volts  
20.8 mm x 92 mm base\80 mm mtg.  $\bar{\Phi}$  -  $\bar{\Phi}$
- MCC162-12I01B: 181 amps, 1200 volts  
34 mm x 94 mm base\80 mm mtg.  $\bar{\Phi}$  -  $\bar{\Phi}$
- MCC162-16I01B: 181 amps, 1600 volts  
34 mm x 94 mm base\80 mm mtg.  $\bar{\Phi}$  -  $\bar{\Phi}$
- ND431225: 250 amps, 1200 volts  
38 mm x 93 mm base\80 mm x 38 mm mtg.  $\bar{\Phi}$  -  $\bar{\Phi}$
- ND431625: 250 amps, 1600 volts  
38 mm x 93 mm base\80 mm x 38 mm mtg.  $\bar{\Phi}$  -  $\bar{\Phi}$

Darrah also stocks a complete line of diode modules and molded bridge assemblies.



## SCR GATE DRIVES/CIRCUIT BOARDS

Darrah's primary and secondary gate drive is the most dependable in the business. It is designed to easily retrofit all plating rectifiers. Installation instructions are included.

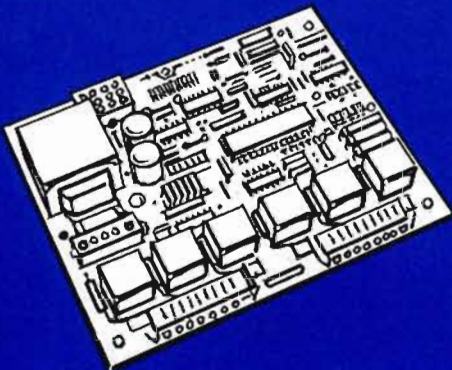
### SCR Firing Boards

- Single Phase, Primary SCR (2).....E19005D
- Three Phase, Primary SCR (6).....E19005A
- Three Phase, Secondary SCR (6).....E19005C

### Voltage / Current Regulator Board

- Provide Independent  $\pm 1\%$  DC Voltage and Current Regulation..... E19001A

Darrah also stocks other common circuit boards such as voltage and current regulators, ampere hour meters, D.C. overload and ramp and timing control boards.

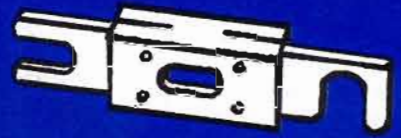


## DIODE FUSES

Window type, ANL series, commonly used in series with silicon diodes.

- ANL 400: 400 amp rating
- ANL 500: 500 amp rating

Darrah stocks most major brands of fuses. Everything from Midget glass types through puck types.

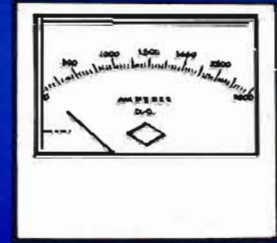


## D.C. AMP and D.C. VOLTMETERS

Standard rectifier meters. Darrah 4" meters measure 4 5/8" wide x 4 1/8" high. Mounting hole is 2 3/4" diameter. Mounts with 4 screws.

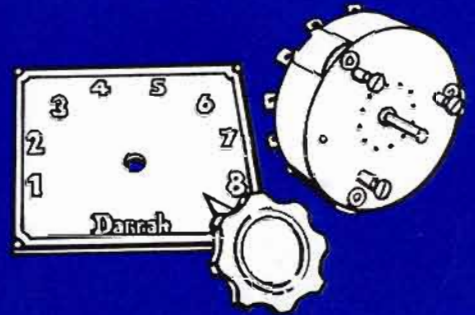
All D.C. Amp Meters accept a 50 milli volt shunt voltage.

Darrah stocks all common amperage and voltage ranges. Plus a complete line of 3" analog and LED, digital meters.



## TAP SWITCHES

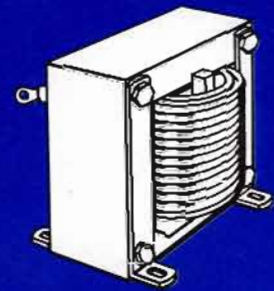
- Ohmite type 312-8, 30 amp 8 position..... S13050A  
Knob for 312-8..... H11010A..... 8 position indicating dial.... N11297A
- Ohmite type 412-8, 50 amp 8 position..... S13010A  
Knob for 412-8..... H11010A..... 8 position indicating dial.... N11297A
- Ohmite type 608-8, 100 amp 8 position... S13015A  
Knob for 608-8..... H11005A..... 8 position indicating dial.... N11301A
- 200 amp open Square "D" type..... S13020A  
Includes knob and indicating dial



## CHOKE/RIPPLE FILTERS

If you have a rectifier that's giving you too high a ripple, give us a call and discuss filtering that you can install in your rectifier.

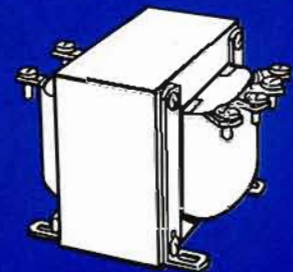
Also ask for ripple testing instructions.



## CONTROL TRANSFORMERS

All control transformers have dual primary windings for 460 volt and 230 volt inputs. Secondary voltages are 115 volts A.C.

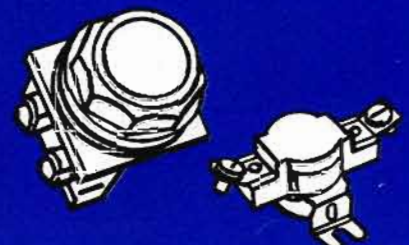
- 150 V.A. .... T14003-A
- 500 V.A. .... T14005-A
- 250 V.A. .... T14004-A
- 750 V.A. .... T14006-A

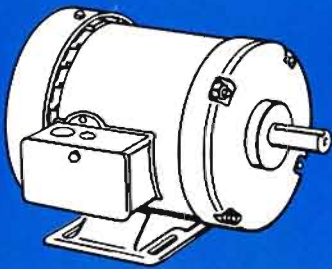


## PUSH BUTTONS and THERMOSTATS

- "Start push button, 1" oil tight..... S13033-A
- "Stop push button, 1" oil tight..... S13034-A
- Thermostat, normally closed, opens at 215°F.... S15020-A

Other ratings and types available.

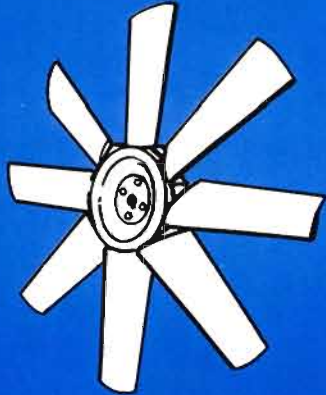




## FAN MOTORS

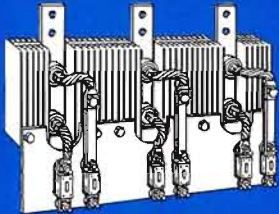
- 1/4 H.P. 3 phase fan motor..... B12004A
- 1/3 H.P. 3 phase fan motor..... B12005A
- 1/2 H.P. 3 phase fan motor..... B12006B
- 1 H.P. 3 phase fan motor..... B12007A

All motors have ball bearings, NEMA 56 frames and are totally enclosed with a 5/8" shaft.



## FAN BLADES

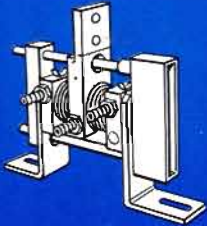
- 16" fan blade:  
2275 C.F.M., 3 wing, 5/8" hub, aluminum..... B14015-A
- 18" fan blade:  
3275 C.F.M., 3 wing, 5/8" hub,..... B14020-A
- 24" fan blade:  
4750 C.F.M., 3 wing, 5/8" hub, aluminum..... B14024-C
- 24" fan blade:  
9200 C.F.M., 5 wing, 5/8" hub, polypropylene..... B14024-D
- 30" fan blade:  
11,200 C.F.M., 3 wing, 5/8" hub polypropylene..... B14030-B



## SILICON DIODE CONVERSION KITS

Darrah provides new silicon diode rectifiers with heat sinks, mounted and ready for installation. Darrah's diode kits are flexible and can be used on any brand of power supply. Sold in multiples of 1000 amps.

- DK-100: 1000 amp rating, no diode fuse
- DK-200: 1000 amp rating, with diode fuse



## LIQUID COOLED SCR/DIODE KITS

Darrah assembles all circuit configurations for liquid cooled SCR or diode circuits. Darrah's custom designed heat sink kits give you a better, more dependable, easily installed replacement. Call for more information.

Darrah Electric also stocks a complete line of capacitors, contactors, terminal boards, heat sinks, pilot lights, timers, auto-transformers and all items that can be found in your rectifier

If you're not sure what you need, call or fax us and talk to one of our engineers or service technicians.

## OTHER PARTS AVAILABLE THROUGH DARRAH ELECTRIC

**Capacitors • Contactors • Terminal Boards • Heat Sinks • Timers  
Auto-Transformers • Pilot Lights • Chokes for Ripple Filters  
Silicon Diode Conversion Kits • Liquid Cooled SCR/Diode Kits**



# Darrah Electric Company

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