



DATA SHEET SSF-86-3

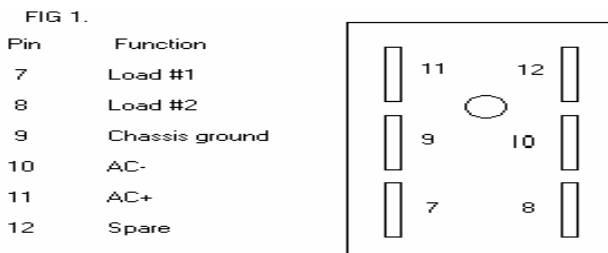


Solid State Flasher:

Description:

The PDC model SSF-86 solid state flasher is a dual circuit flasher designed for the Traffic Control Industry. This unit is conservatively rated up to 20 A per circuit. The flash rate is 56.25 flashes per minute and does not vary due to voltage or temperature variations. With the zero voltage switching design, there are no contacts to wear out or deteriorate due to arcing or corrosion. Also, extended life of the bulbs can be expected as well as reduced Radio Frequency Interference (RFI). The extruded aluminum heatsink provides more than adequate heat dissipation.

Connector Pinout:



Mates with a Beau P-5406-LAB or equivalent

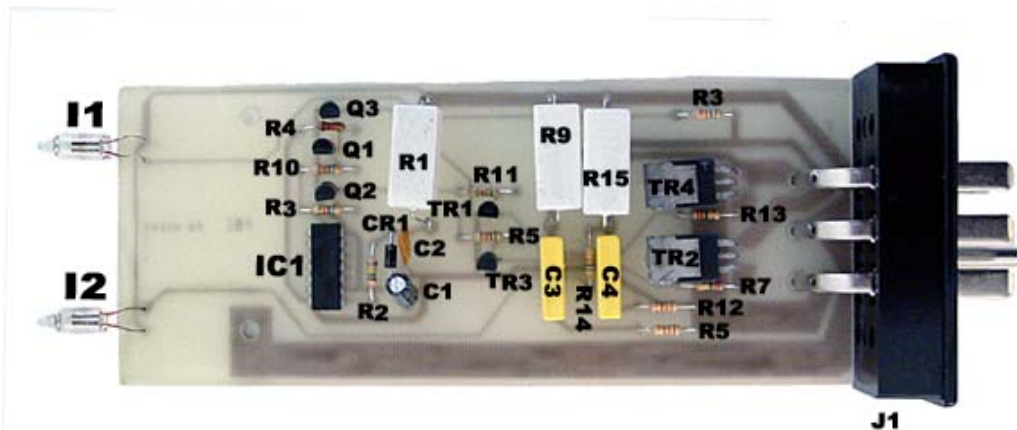
Electrical Characteristics:

Zero voltage turn on-----
 Zero voltage turn off-----
 Tungsten Lamp or Gas Tubing Transformer load-----
 Operating Voltage-----
 Mechanical-----

0V +5 degrees
 0A +5 degrees
 Up to 20 A max.
 60-135 VAC
 Length.....8.40 inches
 Width.....1.70 inches
 Height.....4.18 inches
 Weight.....1.135 lbs

Operating Temperature : Full load from -35 to +74 degrees C

Guarantee: The flasher is fully guaranteed against all failures due to manufacturing defects for two years.



| Item | Qty | Description | PDC P/N | Mfg | Mfg P/N | Ref Des |
|------|-----|--------------------------------|---------|--------------|-------------|------------|
| 1 | 1 | Label, S/N | 00043 | PDC | 00043 | |
| 2 | 1 | Chassis | 00204 | PDC | 00240 | |
| 3 | 1 | Cover | 00384 | PDC | 00384 | |
| 4 | 1 | Bar, Triac Mount | 00212 | PDC | 00212 | |
| 5 | 1 | Label, Front Panel | 00345-2 | PDC | 00345-2 | |
| 6 | 1 | P.C. Board Fab. | 00247 | PDC | 00247 | |
| 7 | 1 | Cap. 47uf 16V | C0001 | Panasonic | ECE-A-16V47 | C1 |
| 8 | 1 | Cap. 4700pf | C0002 | Allied | CCD-472 | C2 |
| 9 | 2 | Cap. .1uf 400V | C0003 | Thomson CSF | MC104K4G | C3,4 |
| 10 | 1 | Diode, Power 1N4004 | CR0001 | Fairchild | 1N4004 | CR1 |
| 11 | 4 | Nut, Keps 6-32 | H0038 | | | |
| 12 | 2 | Screw, PH Pan HD 5-63 x 1 3/16 | H0043 | | | |
| 13 | 2 | SCREW,6-32 X 3/8 PS PH | H0049 | | | |
| 14 | 4 | SCREW #6 X 3/8 SELFTAPP | H0064 | | | |
| 15 | 2 | SCREW,6-32 15/16 PS PH FILHD | H0075 | | | |
| 16 | 1 | I.C. CMOS 4024 | IC0002 | RCA | CD4024BE | IC1 |
| 17 | 1 | Connector, 6 Pin | 00599 | PDC | 00599 | J1 |
| 18 | 2 | Lamp, Neon | L0001 | Chicago Min. | CA2 | I1,2 |
| 19 | 2 | Res. 510 ohm 1/4W | R0004 | Dale | | R5,R11 |
| 20 | 1 | Res. 12K 1/4W | R0014 | Dale | | R4 |
| 21 | 4 | Res. 56K 1/4W | R0018 | Dale | | R3,8,10,14 |
| 22 | 1 | Res. 150K 1/4W | R0020 | Dale | | R2 |
| 23 | 1 | Res. 2.5K 5W | R0036 | TRW | PW5-2.5K | R1 |
| 24 | 2 | Res. 110 ohm 1/4W | R0046 | Dale | | R6,12 |
| 25 | 2 | Res. 5.6K 5W | R0048 | TRW | PW5-5.6K | R9,15 |
| 26 | 2 | Res. 22 ohm 1/4W | R0055 | Dale | | R7,13 |
| 27 | 3 | Transistor , 2N4401 | Q0004 | G.E. | 2N4401 | Q1,2,3 |
| 28 | 2 | Triac .8A 500V | TR0010 | Teccor | Q501E3 | TR1,3 |
| 29 | 2 | Triac 25A 500V | TR0012 | Teccor | Q5025LX | TR2,4 |

