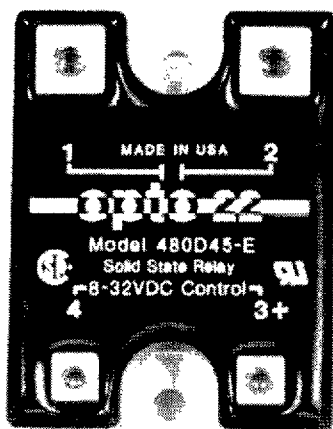


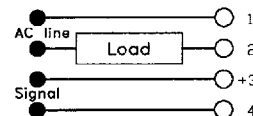


- ▲ 4000 volt photo isolation ● 200% load tested at rated current at 0.5 power factor
- Zero voltage turn-on ▲ TTL compatible
- Built-in snubber ■ UL recognized
- ▲ Die cast mounting base ● CSA certified
- Withstands 2000 volt transients

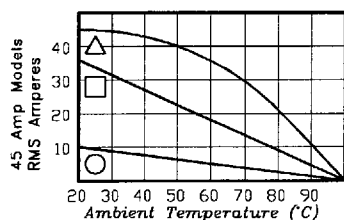
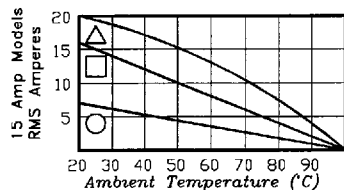
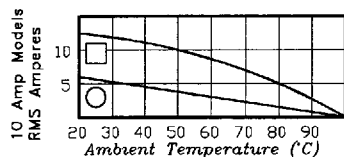
Our fully transient-proof SSR's are the ultimate design for reliable performance. Operating on 480 volt power sources, these transient-proof relays withstand 2000 volt long duration transients. Your reliable advantage is the Opto 22 unique circuit which provides zap-proof results.

Connection Diagram

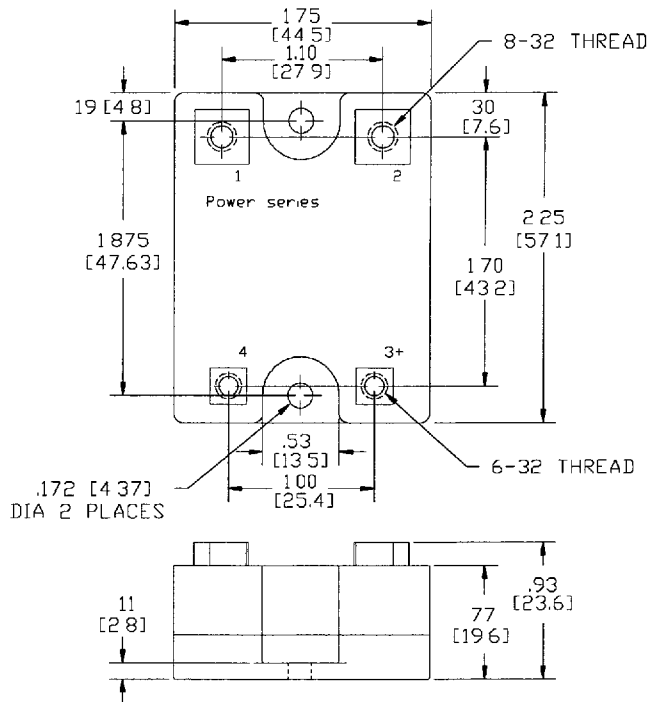
Note: Load may be in series with terminal 1 or 2.



CURRENT V.S. AMBIENT



- Free air
- Mounted on 6" x 6" plate (2°C/watt)
- △ Mounted on 12" x 12" plate (1°C/watt)



TOLERANCES: .XX ± 0.03 [0.8]
.XXX ± 0.010 [0.25]

480/575 VOLT TRANSIENT-PROOF SSR

**Detailed Electrical Specifications**

Model Number	Nominal AC Line Voltage	Nominal Current Rating Amps	1 Cycle Surge (Amps) Peak	Nominal Signal Input Resistance Ohms	Signal Pick-up Voltage	Signal Drop-out Voltage	Peak Repetitive Voltage Minimum	Maximum Output Voltage Drop	Off State Leakage mA Maximum	Operating Voltage Range Volts AC	I^2t Rating $t = 8.3$ Milli-Seconds	Isolation Voltage	θ_{jc}^* °C/Watt	Dissipation Watts/Amp
480D10-12	480	10	110	1000	3 VDC (32V allowed)	1 VDC	1200	3.2 volts	11 mA	100 - 530	50	4000 V _{rms}	1.2	2.5
480D15-12	480	15	150	1000	↓	1 VDC	1200	3.2 volts	11 mA	100 - 530	90	4000 V _{rms}	1.2	2.5
480D25-12	480	25	250	1000		1 VDC	1000	1.6 volts	11 mA	100 - 530	250	4000 V _{rms}	1.3	1.3
480D45-12	480	45	650	1000		1 VDC	1000	1.6 volts	11 mA	100 - 530	1750	4000 V _{rms}	0.67	0.9
575D15-12	575	15	150	1000		1 VDC	1200	3.2 volts	15 mA	100 - 600	90	4000 V _{rms}	1.2	2.5
575D45-12	575	45	650	1000		1 VDC	1000	1.6 volts	15 mA	100 - 600	1750	4000 V _{rms}	0.67	0.9

Surge Current Data

Time Seconds	Time** (Cycles)	10 AMP Peak Amps	15 AMP Peak Amps	25 AMP Peak Amps	45 AMP Peak Amps
0.017	1	110	150	250	650
0.050	3	85	140	175	420
0.100	6	70	110	140	320
0.200	12	60	90	112	245
0.500	30	50	70	80	175
1	60	40	55	67	134
2	120	33	49	53	119
3	180	32	47	49	98
4	240	31	43	47	95
5	300	30	40	45	91
10	600	28	35	42	84

Note: **60 Hz

Additional SpecificationsA
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M
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D
E
L
S**Isolation:**Coupling capacitance input to output
8 PF maximum.**Operating Temperature:**

- 40° C to 100° C

Operating Frequency:25 - 65 Hz (400 Hz with 6 times
higher off-state leakage)**Turn-on Time:**

1/2 cycle maximum zero voltage

Turn-off Time:

1/2 cycle maximum zero current

DV/DT Off State:

200 V/microsecond

DV/DT Commutating:Snubbed for rated current at 0.5
power factor* θ_{jc} = Thermal resistance junction to base
Maximum junction temperature is 110° C