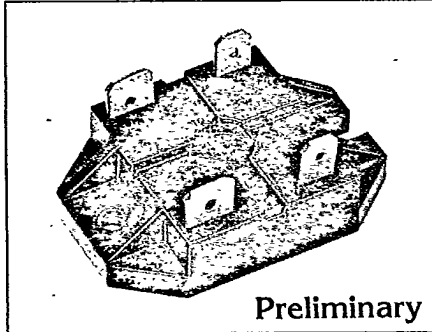


**SOLID STATE RELAYS**

**AC POWER**

**SERIES FZS/FZT Single Phase Solid State Relays**



Preliminary

The Series FZS/FZT line of Single Phase Solid State Relays incorporate the best in solid state Microelectronic technology and innovative package design. The optically coupled input utilizes integrated circuitry, whereby greatly reducing the number of connections. In addition, the built-in snubber and the high blocking voltage of the output devices provide a high immunity to transients. The rugged and compact housing has an integral heatsink for maximum heat dissipation. Epoxy-encapsulation offers added environmental protection against temperature, shock, humidity and vibration.

**FEATURES**

- Solid State reliability
- Optically isolated input
- Built-in snubber w/photo triac coupler
- High transient immunity
- Static dv/dt rating: 200 V/microsecond
- TTL, CMOS and DTL compatible
- Ideal for computer interface
- Integral metal heatsink
- Smallest industry footprint
- Economically priced

**SPECIFICATIONS**

**Input**

- Control Voltage: 3-8 VDC  
8-18 VDC  
18-32 VDC/AC
- Current: 15 ma max.  
5 ma typical

**Isolation**

- Input to Output: 2500 VRMS min.
- Case to ground: 2500 VRMS min.

**Output**

- Type: Inverse parallel SCR's or Triac
- Voltage: 115V, 230V, 380V
- Frequency: 50/60 Hz
- Current Rating:
  - max: 10, 15 and 25 amps resistive
  - min: 50 ma
  - Surge (1 cycle): 10 X rated max current
- Voltage Drop: 1.5 Volts typical @ rated load
- Turn-on time max: 8.3 ms
- Turn-off time max: 8.3 ms
- Leakage current @380 V: 7 ma max

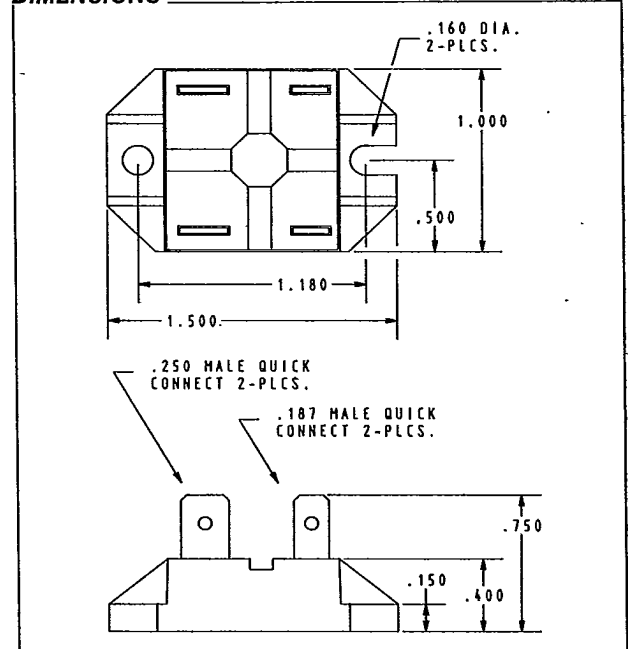
**Environmental**

- Operating Temperature: -40°C to +75°C
- Storage Temperature: -40°C to +100°C

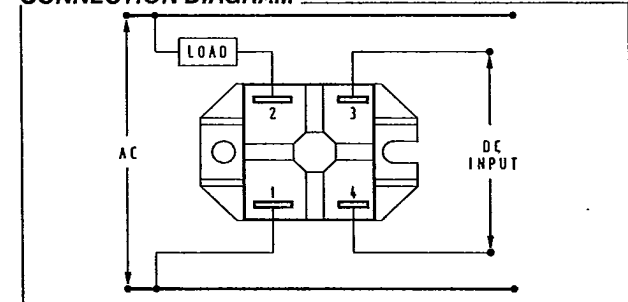
**Physical**

- Mounting: Surface mount using (4) #6 or #8 screws
- Termination: 8/32" screws
- Weight: 1 ounce (28 grams)

**DIMENSIONS**

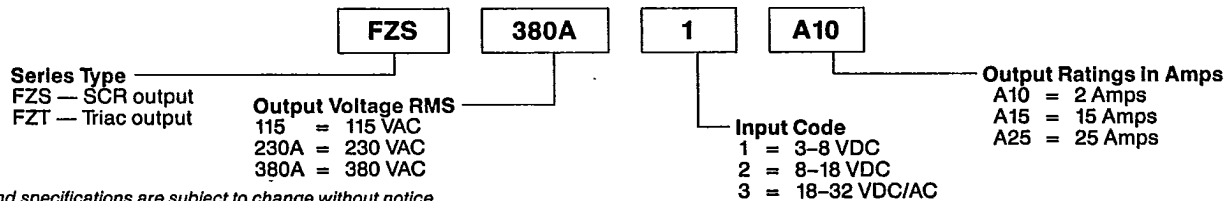


**CONNECTION DIAGRAM**



**ORDERING INFORMATION:** (Consult factory for variations not listed)

TYPE = FZS/FZT  
SAMPLE PART NUMBER



All features and specifications are subject to change without notice.

Contact our Engineering Group for application assistance.