

Solenoid Coil Features/Specifications

- **STANDARD VOLTAGE:** 10, 12, 20 AND 24 VOLTS D.C.
120 AND 240 VOLTS A.C.
- **WATTAGE:** SERIES 8: ALL COILS ARE NOMINALLY 16 WATTS AT 68°F./20°C.
SERIES 10: 10 VOLT COILS ARE NOMINALLY 19 WATTS AT 68°F./23°C.
12, 20, 24, 120 AND 240 VOLT COILS ARE NOMINALLY 22 WATTS AT 68°F./20°C.
- **DUTY RATING:** SEE COIL PAGES.
- **AMBIENT OPERATING TEMPERATURE:** 212°F/100°C
- **MAGNET WIRE:** ALL 100 SERIES ARE THERMAL CLASS 200°C., NEMA PUB, NO. MW1000
- **ENCAPSULATING MATERIAL:** THERMOPLASTIC POLYESTER (PET) (RYNITE 415 HP).
- **LEAD WIRES:** 18/20 GAUGE. MEETS SAE J1128 XLPE, TYPE SXL.
- **A.C. VOLTAGE COILS:** INTERNALLY FULL WAVE RECTIFIED TO SUPPLY THE COIL WINDING WITH D.C. CURRENT. THEREFORE THE COIL WINDING HAS NO “INRUSH” CURRENT MAKING IT SUITABLE FOR 50 OR 60 HERTZ (Hz) CYCLE APPLICATIONS. THE RECTIFIERS USED IN A.C. COILS MAY REQUIRE PROTECTION FROM TRANSIENT OVER VOLTAGES EXCEEDING 1000 VOLTS. PROTECT RECTIFIED A.C. COILS BY INSTALLING A COMMERCIALY AVAILABLE NONPOLARIZED SELENIUM DIODE SUPPRESSOR OR METAL-OXIDE VARISTOR ACROSS THE A.C. COIL AS SHOWN.

