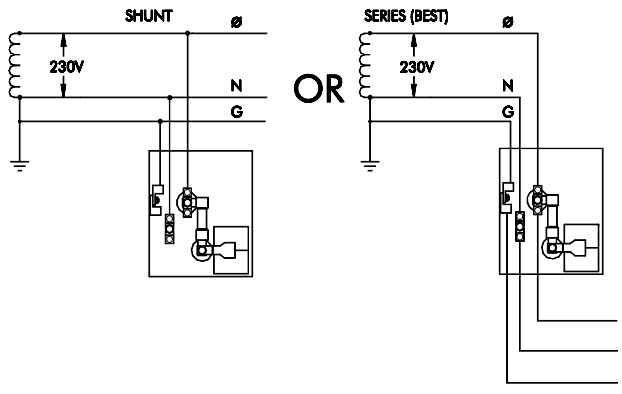
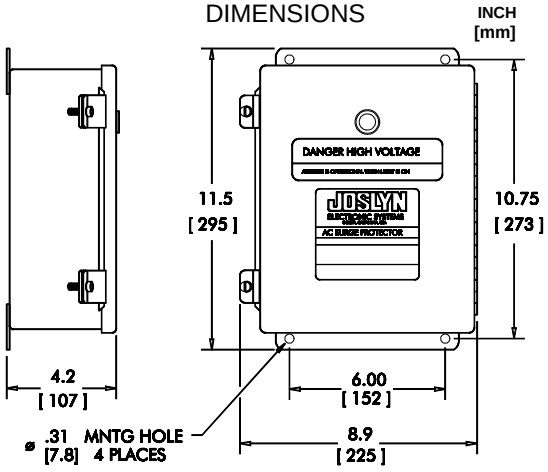
AC SURGE PROTECTOR
SURGITRON® I
MODEL 1261-45, 1261-85
230V, 1ϕ, 2 Wire + Ground

- SPD Category and Type — Service entrance or distribution panel, permanently connected. Suitable for use on types TN-C, TNS, TN-C-S and TT neutral grounding schemes.
- Technology — Matrix of individually fused metal oxide varistors housed in replaceable modules.
- Features — Cover light indicates status of modules. Model 1261-85 has relay contacts for remote monitoring.
- Options — Surge Event Counter: add **-S** to model number. Remote Monitor and Audible Alarm: separately order P/N 1260-97.
- Connection Means — In parallel directly across mains or through 60 A (min) switch or breaker. The terminals are double lugged to permit series connection of service conductors (improves protection for load).
- Cable Size for Connections, contractor supplied — 13 - 70 mm^2 (AWG 6 - 2/0)
- Upstream Overcurrent Device — None required
- Internal Overcurrent Protection — 200 kAIC
- Maximum Continuous Operating Voltage, L-N, 50 or 60 Hz — 275 Vac
- Leakage, L-G at 230 Vac — <750 µA
- Maximum Surge Current, Single Pulse, 8/20 µs, per phase — 120 kA
  per mode — 60 kA

		L-N	L-G, N-G
Protection Modes			
Varistor MCOV		300 Vac	420 Vac
Nominal Varistor Voltage at 1 mAdc		470 V	660 V
Suppression Voltage, L-(N+G) using ANSI/IEEE C62.41 Waveshapes	200 A, 100 kHz (6 kV)	750 V	945 V
	500 A, 100 kHz (6 kV)	770 V	990 V
	500 A, 8/20 µs (6 kV)	720 V	910 V
	3 kA, 8/20 µs (6 kV)	810 V	1050 V
	10 kA, 8/20 µs (20 kV)	1080 V	1305 V
	20 kA, 8/20 µs (20 kV)	1560 V	1795 V
UL 1449 Suppression Voltage		800 V	1000 V

- Surge Energy Capability, 10/1000 µs, total — 8400 joules
- Surge Life, L-(N+G), 230 Vac applied — 3 kA, 8/20 µs — 200,000 times
  10 kA, 8/20 µs — 6,000 times
  20 kA, 8/20 µs — 500 times
- Relay Contacts (1261-85), Form C (DPDT) — minimum 1 mA, 5 Vdc; maximum 5 A, 240 Vac or 28 Vdc
- Component Response Time — <1 ns
- Operating Temperature — -40 to +85 C
- Max Operating Altitude — 5000 meters
- Cabinet, painted steel — NEMA 12, IP 65
- Shipping Weight — 7 kg
- Warranty — 5 years
- Safety Approvals: UL and cUL Listed per UL1449 and Canadian codes, File No. E74944
  RUS USDA-RUS Accepted, Section gi, 5.5.2

CONNECTIONS



DIMENSIONS