

# SINGLE PHASE SURGE PROTECTOR SDLBK10

For residential and light commercial applications

When properly installed, this device features internal protection that will disconnect the intended protected equipment from power when the surge protective circuitry is compromised. Use the "Operational Output" to enable to activation of the contactor coil circuit and disable power to the equipment when the protector self-sacrifices. Use the "Alarm Output" connection to activate an external alarm or indicator. External alarm or indicator components are not supplied with this product.

The SDLBK10 also incorporates unique circuitry that detects and indicates when there is an overvoltage or undervoltage condition. Moreover, this device will detect and indicate when there is a loss of neutral ground to the surge protector. The SDLBK10 will not allow power to the equipment until any condition above is rectified. A good ground is imperative for the proper function of the surge protector.

The functions of the GREEN LED are described on the front panel of the SDLBK10.

## THE IMPORTANCE OF GROUND

The National Electric Code (NEC) maximum resistance at ground is 25 Ohms. A good ground is imperative.

### PROTECTION FOR:

- Condensing units
- Air handlers
- Furnaces
- Other HVAC Applications

### PROTECTS & MONITORS FOR:

- Surge protection
- Overvoltage
- Undervoltage
- Lost neutral or ground

### WARRANTY & INSTALLATION:

- 3 year product and connected equipment warranty
- Hard wire at or inside condensing unit

### SPECIFICATIONS:

TYPE 2 SPD | TYPE 4X ENCLOSURE

**Voltage:** 120/208/240 VAC; Single Phase **Frequency:** 60Hz **Normal Discharge Current (In):** 10kA

**Short Circuit Current Rating (SCCR):** 10kA **Max. Continuous Operating Voltage (MCOV):** L-N

150V **Voltage Protection Rating (VPR):** L-N/G 600V; L-L 1000V **Operating Temperature:** -40F to

158F (-40C to 70C) **Relay Specifications:** NO/NC **Relay Contact Rating:** 2A, 24V, AC/DC



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