



DTK-KG2

120/240Vac Intelligent Voltage Monitor

DITEK's DTK-KG2 is part of the Kool Guard family of voltage monitoring products. It is specifically designed to protect HVAC equipment from harmful undervoltage and overvoltage events that can damage sensitive electronic and mechanical components within the system. The DTK-KG2 also incorporates DITEK's state-of-the-art surge protection design to shield the equipment from damaging transient voltage surges and spikes. The standard UL Type 4X polycarbonate enclosure allows the unit to be easily installed in harsh outdoor environments.



PRODUCT FEATURES

- Superior protection for undervoltage & overvoltage events by monitoring each full wave sequence of a 60Hz power cycle
- Safely disconnects power to the system until input voltage returns to normal range
- Diagnostic red and green LEDs indicate the exact voltage condition that is present
- Pre-programmed voltage range limits for ease of installation
- UL & CSA listed

APPLICATIONS

- Inverter-driven HVAC Systems
- Condensing Units
- Ductless HVAC Systems

TECHNICAL SPECIFICATIONS	
Service Voltage:	120/240Vac Split Φ 120/208Vac Split Φ
Equipment Minimum Circuit Ampacity Compatibility:	Up to 40A MCA rating
Voltage Monitoring Method:	Each phase independently (Line-Ground)
Voltage Monitoring Detection Speed:	1/60 th second (one full 60Hz wave cycle)
Undervoltage Protection Level:	104V L-G
Overvoltage Protection Level:	130V L-G
Short Cycle Delay Timer:	3 minutes (default) 30 seconds (selectable)
Surge Current Rating:	50,000A

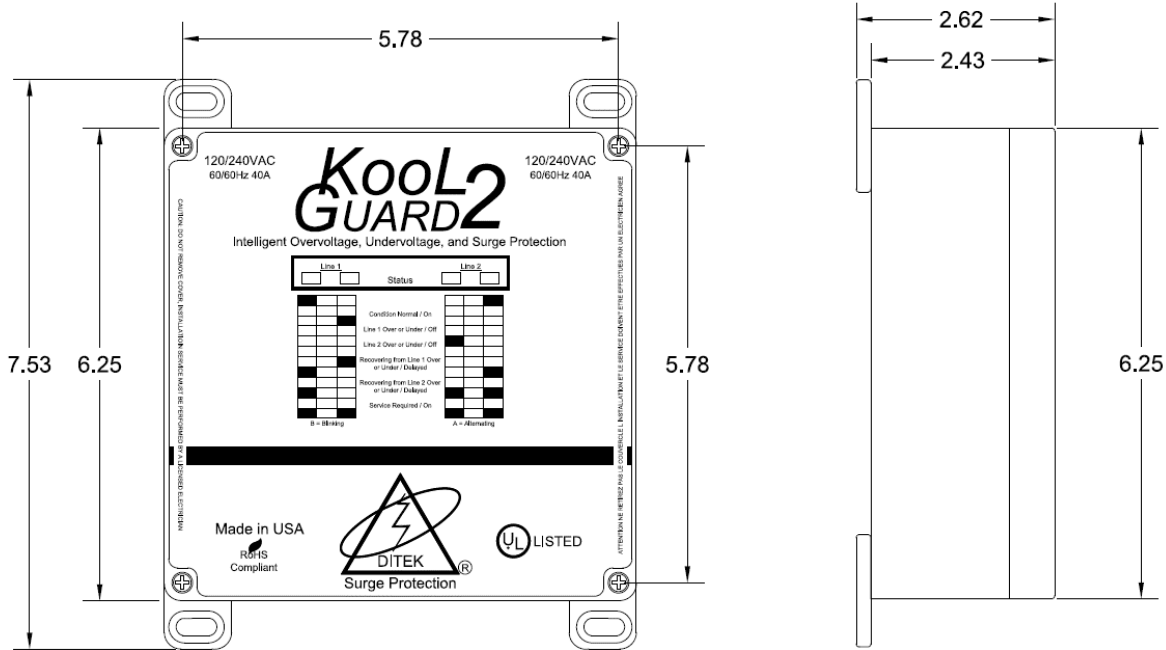
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MECHANICAL SPECIFICATIONS	
Connection Method:	Mechanical lugs 14-6AWG 1/2" or 3/4" NPT conduit
Housing:	UL Type 4X polycarbonate
Dimensions:	6.25 in. L x 6.25 in. W x 2.62 in. H (159 mm x 159 mm x 67 mm)
Weight:	1.6 lbs. (0.73kg)

SAFETY STANDARDS AND CERTIFICATIONS	
Certifications:	UL 60947-1 & 60947-5-1 CSA C22.2 No. 60947-1-13 & 60947-5-1-14
Standards Compliance:	RoHS
Warranty:	10 Year Limited Warranty

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