



HVAC Intelligent Voltage Monitoring



The average home or business can experience hundreds of potentially damaging electrical events each year, and today's Heating, Ventilation and Air Conditioning (HVAC) equipment is even more susceptible to these unavoidable events. Power fluctuations, surges and voltage transients can severely damage your heating and cooling system just like any other sensitive electronic device. While a brief power fluctuation may not cause any obvious signs of damage, input voltage that is continuously outside of the operating range of the equipment can quickly damage sensitive electronic circuitry. This is especially important with inverter-based compressor systems and ductless AC systems (mini splits). DITEK's DTK-KG2 is part of the Kool Guard Series of intelligent voltage monitoring solutions and is specifically designed to monitor the input power supplying the equipment. If the voltage fluctuates outside of the preprogrammed under- and over-voltage limits, it safely disconnects power to the equipment until voltage returns within the normal range. The DTK-KG2 also incorporates state-of-the-art surge protection to shield the equipment from damaging surges and spikes; and the standard UL Type 4X polycarbonate enclosure allows the unit to be easily installed in harsh outdoor environments.



Your First Line of Defense



Rely on DITEK to Keep Your Critical HVAC Equipment Operating

Technical Specifications	
Voltage Configuration:	120/240VAC Split Φ 120/208VAC Split Φ
Operating Frequency:	50/60HZ
Max. Continuous Current:	40 Amps
Undervoltage Protection Level:	104VAC (L-G)
Overvoltage Protection Level:	130VAC (L-G)
Short Cycle Delay:	3 Minutes
Surge Current Rating:	50,000A
Mechanical Specifications	
Connection Method:	Series-wired, 1/2" or 3/4" NPT Conduit Hardwired lugs: 8 AWG Max
Housing:	UL Type 4X Enclosure
Dimensions:	6.29" L x 6.29" W x 2.36" H (160 mm x 160 mm x 60mm)
Weight:	3 lb (1.36 kg)
Quality, Standards & Approvals	
Certifications:	UL 60947-1 Listed UL 60947-5-1 Listed
Warranty:	10 Year Limited Warranty



	Condition Normal / On	
	Line 1 Over or Under / Off	
	Line 2 Over or Under / Off	
	Line 1 & 2 Over or Under / Off	
	Condition Normal / Delayed	
	Service Required / On	

DITEK Corporation



Technical Support: 888-472-6100

800 • 753 • 2345

www.diteknetworks.com

DITEK is the gold standard in quality surge protection, networking solutions and UPS systems for the commercial and industrial market. We provide solutions for Networking and Video Surveillance, Fire, Intrusion, Access Control, AC Power and Data/Signaling applications.

At DITEK's ISO 9001 certified manufacturing facility in Largo, FL; a highly-trained and culturally diverse workforce utilizes state-of-the-art equipment and lean manufacturing methodologies. DITEK's Technical Support Team is available to answer application or installation questions by phone or Internet live chat. Live and web-based product training, CEU courses and collateral materials are readily available through our Marketing Services Group.



One DITEK Center
1720 Starkey Road
Largo, FL 33771

Document: SMS-100029-006 (920-041) Rev 1 09/21