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Item # S-276, D1025MKII Closed-Loop Bi-Directional Generator Field Control



D1025MKII Closed-Loop Bi-Directional Generator Field Control

The new IPC model D1025MKII represents the latest in rugged, cost-effective closed-loop Bi-directional generator field control in a compact package. Utilizing the latest in IGBT drive technology, the fully featured D1025MKII provides an on-board "s-shape" speed pattern generator and achieves excellent performance with less than 1% speed regulation. Operates on geared or gearless elevator systems from freight cars all the way up to 1000 FPM applications. Through the use of tachometer feedback and a secondary current loop, the D1025MKII achieves excellent performance over a broad speed range. LED indicators are provided for all functions including a comprehensive fault detection and diagnostics system. Fully adjustable via potentiometers for five preset speeds, four "s-shape knee adjustments", loop gain, contract speed, two acceleration and three (up to four via jumper) deceleration rates and others. "Set-Up" mode provides operation without a tachometer during initial car start-up. 7 A output is phase-to-phase and phase-to-ground short-circuit proof protected and incorporates generous safety margins for long service life. Newly designed packaging allows complete adjustment without removing the protective cover. Included is a UL recognized mutitap transformer to provide correct field power for any job. Also included is a comprehensive step-by-step manual for a smooth and successful installation.

SPECIFICATIONS

Speed	0 to 1000 fpm
Transformer Input (Supplied)	208/220 VAC 50/60 Hz 1 Phase
Speed Range	Greater than 350
Speed Regulation	0.5 %
Response Time	One Milli Second
Field Power Output	0 to 230 Volts DC 7.5 Amps
Control Input Supply	208/220 VAC 50/60 Hz 1 Phase 1 Amp
Weight	6.5 Pounds