

IPC Automation Inc. RAE Corporation

4615 W. Prime Parkway

McHenry, IL 60050-7001 US

Phone: (815) 759-3934

Fax: (815) 363-1641

E-Mail: ipcsales@msn.com

Website: www.ipcautomation.com

Item # S-225, D1028 Closed-Loop Bi-Directional Generator Field Control

D1028 Closed-Loop Bi-Directional Generator Field Control



The IPC model D1028 represents the latest in closed-loop Bi-directional generator field control. Fully featured, the D1028 provides an isolated input from an externally microprocessor or PLC-generated speed pattern. The D1028 achieves excellent performance with less than 1% speed regulation. Operates on geared or gearless elevator systems from freight cars all the way up to 1400 FPM express applications. Through the use of tachometer feedback and a secondary current loop, the D1028 achieves precise control at over a 500:1 speed range. Completely isolated with LED indicators for all functions including comprehensive fault detection and diagnostics. Fully adjustable via potentiometers for signal gain, loop gain, current limit, contract speed and others. "Set-Up" mode provides operation without a tachometer during initial start-up. 7.5 A current limited output with generous safety margins for long service life. Included is a UL recognized multitap 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](#) · [FEATURES](#)

SPECIFICATIONS

Speed	0 to 1400 fpm
Input Voltage	208 - 220 VAC Control
Field Power Input	110 - 165 VAC Transformer Tap Selectable 50/60 Hz (Supplied)
Output Voltage	0 to 230 VAC
Output Current	7.5 A (15 A Model on Request)
Speed Regulation	0.5 %

FEATURES

- +/- 7.5 VDC External Speed Command Input
- Isolated Signal Input
- 19" Rack or Panel Mount