

DIGITAL DC DRIVE, power & basic VERSIONS

KEY FEATURE PRESENTATION

- Small footprint, will replace any 3-phase DC drive, saves panel space
- Drive electronics are UL, cUL, CE, 50° ambient rated
- The regenerative and non-regenerative options are available.
- A field regulator is included as standard for field weakening applications
- Extensive drive and motor protective circuitry is provided
- Solid all metal frame
- Frame hinges at bottom for convenient wire routing (**power drive only**)
- All fuses and contactor are easily accessible (**power drive only**)
- Speedy swap out of drive:
 - Control terminations are plug in
 - Replacement drive can be exactly cloned by:
 - PC upload/download of configuration parameters, or
 - Drive to drive upload/download of configuration parameters, or
 - Swap out of plug-in EEPROM
- Extensive, multifunction I/O, with over 36 digital and analog input and output combinations:
 - 12-bit resolution
 - Short circuit protected, over voltage protected to 50V
 - Configurable scope probe output
 - 400mA 24VDC power supply included
- All feedback options are available:
 - Armature Voltage
 - Tachometer
 - Encoder (24VDC encoder power supply built in)
 - Failsafe automatic “Revert to AVF” on speed feedback failure
- Friendly, easy to use English language display for set up and diagnostics:
- Real language parameter description eliminates need for look up tables, e.g.:
 - Analog I/O can be read in volts to 3 decimal places
 - Digital I/O reads 0 for off, 1 for on, summary of all terminal blocks
 - Set acceleration rate in seconds, etc.
- Extensive alarm annunciation:
 - Alarms displayed in English e.g. “MOTOR FIELD FAIL” (must be enabled)
 - Non-volatile trip alarm memory, even after power down
 - Alarm jumps to top-level display to ease troubleshooting
- Easy start-up for simple applications:
 - E-stop, Stop/Start/Jog connection with standard block diagram
 - Auto tune of current loop
- Extensive application blocks, including:
 - Switches, multipliers, dividers, sign changers, latches, timers, counters, PID’s, open and closed loop winders
- Free issue PC based configuration and monitoring tool, PL PILOT, ships with every drive installed on a CDROM that also includes all manuals and catalog.
- Awesome applications support available from our factory! 888-667-7333