AC Input, Microprocessor-based 4Q PWM

Drive	Input Voltage (VAC)	Output Voltage Range (VDC)	Cont. Current	7 Sec. Peak Current	HP Rating @ 12 VDC Output	HP Rating @ 24 VDC Output	Enclosure	Reversing *****	Isolation	UL Listed	CSA	CE TUV
HTL1.5-D-4Q	115 or 230	0-12 0-24	1.5 3	2 4	1/100 - 1/50	1/50 - 1/25	CHASSIS	YES	0-5 VDC 0-10 VDC	–	–	–
HTL05-D-4Q	115 or 230	0-12 0-24	5	7.5	1/50 - 1/20	1/25 - 1/8	CHASSIS	YES	0-5 VDC 0-10 VDC	YES	–	–

***** Applications that require braking and/or reversing of high inertia loads require regenerative dumping circuit, part number HTL-DB.

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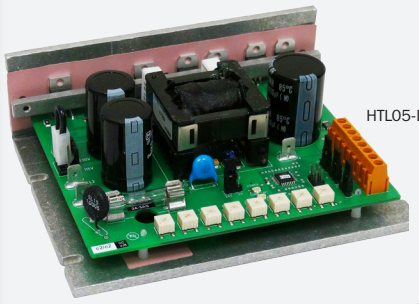
The HTL Series is an all in one solution to control a 12 or 24 VDC motor when only 115 or 230 VAC is available. The HTL05-D-4Q design combines an AC to DC switching power supply with a PWM DC drive, allowing exceptional control of a low voltage motor with a high voltage supply.

The HTL Series allows for braking and reversing on the fly with a simple input to the drive. The drive has built-in isolation so interfacing to PLC is simplified. This drive also works great for **limit switch** and **actuator** applications because it has independent inhibits. Add an "-L" suffix for a version of the HTL Series that will work with linear actuators containing pot feedback for positioning applications.

The microprocessor on this drive allows the HTL Series to be extremely flexible for OEM applications. Custom applications or routines can be programmed into the HTL Series to meet your OEM needs. The drive contains LEDs for power and current limit status along with calibration trimpots that can be customized at our factory for an OEM application.

Choose the HTL Series for applications utilizing 12 or 24 VDC motors that need to be powered from 115 or 230 VAC.

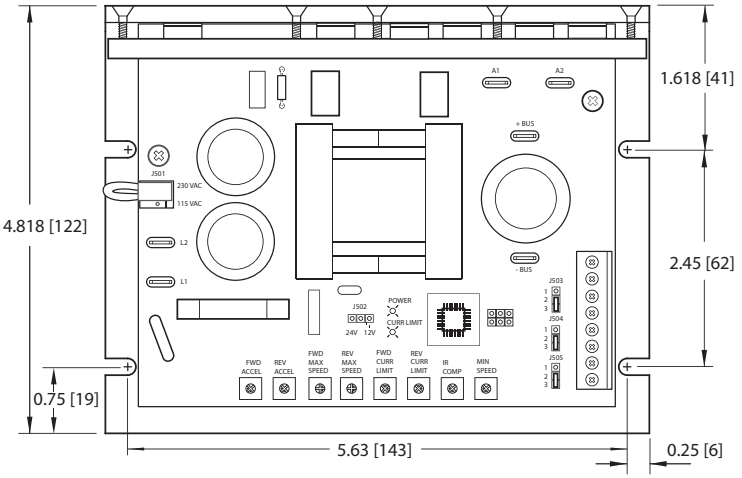
See page 53 for an in-depth comparison of the different low voltage drives.



HTL05-D-4Q

HTL1.5-D-4Q

HTL05-D-4Q DIMENSIONS



Height: 2.00 [51]
All dimensions in inches [millimeters]

Dimensions of drives not shown above can be found on page 58.
Wiring diagrams can be found on page 67.

FEATURES

- **True low voltage output:** Allows use of 115 or 230 VAC supply voltage on 12 or 24 VDC motors.
- **4Q reversing:** Regenerative / 4 Quadrant drives have the ability to perform quick and contactorless braking and/or reversing on-the-fly!
- **Isolation:** Easy interface to a PLC (0-5 or 0-10 VDC).
- **User adjustable calibration pots:** Minimum Speed, Forward Maximum Speed, Reverse Maximum Speed, Forward Current Limit, Reverse Current Limit, IR Compensation, Forward Acceleration and Reverse Acceleration.
- **Diagnostic LEDs:** LEDs for power and current limit status.
- **Stopping modes:** Forward inhibit and reverse inhibit can be set for N.O. or N.C. to brake to a stop.
- **Spade and screw terminals:** Spade terminals for power connections and screw terminals for logic connections.
- **All in one package:** Switching power supply and DC drive in one package.
- **Microprocessor based:** Allows for special calibration ranges or custom I/O for OEMs. Standard units allow for unidirectional or bidirectional control with a unidirectional signal.
- **-A Option:** Allows the drive to work with limit switch for cycling applications.
- **-L Option:** Allows the drive to work with actuators containing a linear pot.
- **-T Option:** Allows for Torque mode control.
- **COMING SOON:** HTL10 & ask about 36/48 VDC options.
- **RoHS:** All HTL series models are RoHS compliant.