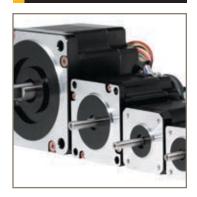




aerospace climate control electromechanical filtration fluid & gas handling hydraulics pneumatics process control sealing & shielding





Stepper Drive Systems

OFS350-DRI & OFS350-OSC Step Motor Drives





ENGINEERING YOUR SUCCESS.

OFS350-DRI

Step Motor Drive Microstepping, 3.5 amps, 42 VDC External Step/Dir Control Required

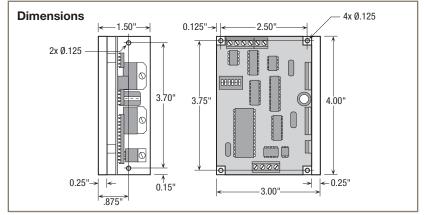
Description

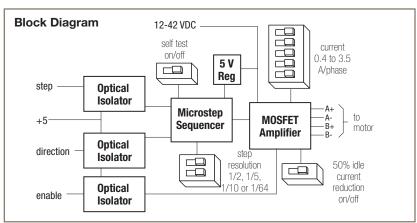
The OFS350-DRI is a microstepping drive offering 400 to 12,800 steps per revolution, a step phase sequencer with MOSFET three-state switching amplifiers, and optoisolated circuits. The drive includes an automatic feature to lower motor current by 50% whenever the motor is left at rest for more than one second. (This feature can be disabled.) There is also a switch-selectable self test that rotates the motor one-half a revolution in each direction at 100 steps per second. The amplifier regulates motor current by chopping at a constant, inaudible frequency. Phase current is selected from 32 levels by a DIP switch, which also controls the microstepping resolution.

Features

- DC bus voltage 12-42 VDC motor supply (including ripple)
- Switch selectable currents from 0.4–3.5 amps/phase motor current
- Switch selectable Step resolutions: 400, 1000, 2000, 12800 steps/rev.
- Switch selectable idle current reduction, 0 or 50%
- Optically isolated 5 VDC inputs for step, direction and enable
- Enable input to turn off current to the motor
- Self test, switch selectable
- 140 watts of usable power
- Screw terminal connectors.

- MOSFET, dual H-bridge, inaudible PWM amplifier
- 3 state, pulse width modulated current control, switching at 20–30 KHz.
- Drives 4, 6 or 8 lead size 11,
 14, 17, 23 or 34 step motors
- CE compliant





Complement

Step Motors

 Size 11
 Size 23

 LV111-02-FL
 LV231-02-FL

 LV113-02-FL
 LV233-02-FL

 Size 17
 Size 34

 LV171-02-FL
 LV341-02-FL

LV173-02-FL



OFS350-OSC

Step Motor Drive with Digital Oscillator Microstepping, 3.5 amps, 42 VDC On-Board Control Included

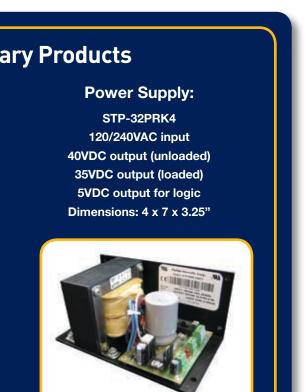
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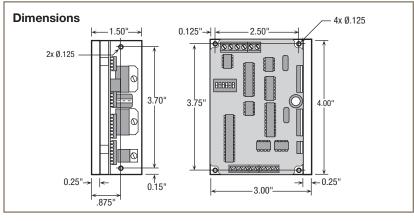
The OFS350-OSC is a microstepping drive offering 12,800 steps per revolution, a step phase sequencer with MOSFET three-state switching amplifiers, and optoisolated circuits. The drive includes five optically isolated inputs, external speed control, tach output, and internal pots for accel/decel rate along with high- and low-speed range selection. The amplifier regulates motor current by chopping at a constant, inaudible frequency. Phase current is selected from 32 levels by a DIP switch, which also controls the microstepping resolution.

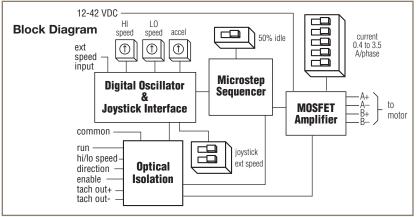
Features

- DC bus voltage 12-42 VDC motor supply (including ripple)
- Switch selectable currents from 0.4–3.5 amps/ phase motor current
- Microstepping at 12,800 steps/rev
- Switch selectable idle current reduction, 0 or 50%
- Optically isolated 5–12 VDC inputs
- Run input, directs drive to run or stop
- Direction input, sets direction of rotation
- Speed input, selects high speed (25rps) or low speed (5rps) range
- Enable input, removes all motor current when active
- Wiper input, 0–5V analog for external speed signal, pot or joystick

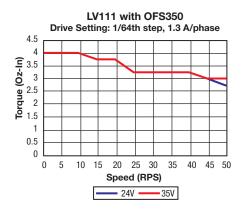
- Tach Output, 5–24V optically isolated, 100 pulses per revolution
- Three internal trimmer pots, accel/decel (1–250 rev/sec/ sec, Low speed (0–5 rps), High speed (0–25 rps)
- External Speed, Pot or Joystick 3 terminal type, 1k-10k ohms
- 140 watts of usable power
- Screw terminal connectors
- MOSFET, dual H-bridge, inaudible PWM amplifier
- 3 state, pulse width modulated current control, switching at 20–30 KHz
- Drives 4, 6 or 8 lead size 11, 14, 17, 23 or 34 step motors
- CE compliant

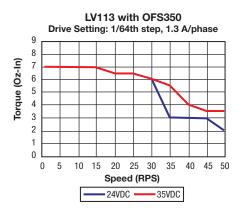


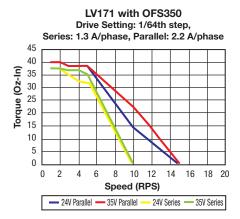


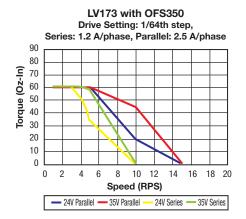


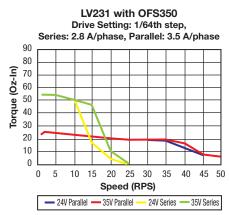
OFS350-DRI & OFS350-OSC Speed Torque Curves

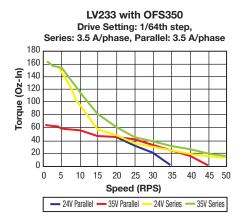


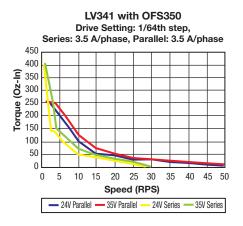












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