

# 1600iLV48

Small footprint speed controller for permanent magnet or shunt wound motors. Isolated. 1Q. Up to 16A output. Low voltage 24V-48VAC option providing 18-38V DC output voltage.

## Technical Data

The 1600iLV48 is one of the Sprint Electric [Open Chassis Mount DC Drives](#) range of products

Ratings

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AC Supply Range	Typical Max Armature Voltage	Max Continuous Armature Current	Nominal Power
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100 to 130v	90v	16A	1.1KW / 1.5HP
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200 to 264v	180v	16A	2.2KW / 3HP
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Dimensions

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Height	Width	Depth
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150mm	150mm	90mm
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AT A GLANCE

- Control DC motors rated up to 16 Amps (2.2KW/3HP)
- Fully isolated controller
- Compact DC drive
- Switched maximum current ranges for easy matching to motor current rating
- Suitable for permanent magnet, shunt wound or universal motors

TECHNICAL HIGHLIGHTS

- On board relay indicates zero speed and/or motor overload
- PLC compatible input and output signals
- Precision tacho rectifier
- Numerous inputs and outputs for complex system applications
- Torque control input for basic winding or tension control, with overspeed limiting
- Extra 50% peak torque for rapid acceleration or shock loads
- Switched maximum current ranges for easy matching to motor current rating
- Switch selectable Tacho or Armature voltage feedback
- Adjustable Stability control for optimum motor response
- Extra 50% peak torque for 30 seconds prior to stall trip operation

USER ADJUSTABLE PRESETS FOR:

- Up ramp
- Down ramp
- Max motor speed
- Min motor speed
- IR comp
- Stability
- Max motor current
- Up ramp
- Down ramp
- Max motor speed
- Min motor speed
- IR comp
- Stability
- Max motor current