

# iDrive 150/300

## Full-Featured Motor Controllers



+ iDrive 300™ pictured  
3phase selectable voltage

### The iDrive 150AC™

The iDrive 150™ Motor Controller is a continuation of Link4's outstanding line of motor controllers. The iDrive 150™ was designed with a very specific need: a cost effective motor controller for the North American 120V AC motors that have built-in thermal overload protection. Using similar high quality components as the iDrive 300™, the iDrive 150™ provides a simple yet robust mean to control your reversing 120V AC motors. The iDrive150™ does not come with any thermal overload protection.

### The iDrive 150DCP™

With the increased usage of inexpensive DC motors for greenhouse applications, Link4 has designed a motor controller to address this specific need. Derived from the robust, reliable iDrive 300™, the iDrive 150DCP™ inherits all the similar high quality components and designs. In addition, it has advance capabilities to meet the specific needs of using a DC motor. Some of which are variable voltage adjustments for line losses, IR compensation, torque controls, etc. Don't just use a 24V DC power supply for your motor!

### The iDrive 300™

The iDrive 300™ Motor Controller is the best motor controller you can buy for your reversible AC greenhouse motor. Equipped with built-in interface for limit switches, it just takes 3 wires to connect the gearbox limit switches to the iDrive 300™. Motor protection is accomplished with adjustable thermal overloads, which are precisely adjusted for your individual motor. The iDrive 300™ is compact and built with high quality components for the rugged greenhouse environment. All iDrives are UL/cUL approved. Contact Link4 for the specific model to suit your AC motors and your available voltages.



# iDrive 150/300

Link4 CORPORATION  
INTELLIGENT CONTROLS

## iDrive 150 AC Key Features

### Compatible Motors

- Works with any common 120Volts AC motor.

### Specifications

- Line Inputs:
  - single phase: 120VAC
  - fuse to protect internal 24VAC transformer (40VA)
- Line Outputs:
  - single phase: 120VAC
- Limit switch interface:
  - 3 wire limit switch design
- Power switching element:
  - 1 pole power relay (30Amps/ 1 ½ HP)

## iDrive 150 DCP Key Features

### Compatible Motors

- Works with any common 24Volt DC motor (other voltages available).

### Specifications

- Line Inputs:
  - single phase: 120VAC
  - 15A fuse to protect internal electronics
- Line Outputs:
  - 24VDC (variable from 0VDC to 36VDC)
  - current limit to 5A or 13A, depending on model
- Limit switch interface:
  - 3 wire limit switch design
- Power switching element:
  - power relays

## iDrive 300 Key Features

### Compatible Motors

- Works with any common AC motor, including 5 wire motors.

### Safety Features

- Built-in 2 second delay when reversing direction.
- Built-in thermal overload to protect motors from shorts and surges, wiring errors, or obstructions.
- Built-in mechanical interlock to prevent motor from being driven in both directions at the same time.
- Built-in limit switch input interface to protect structural damage.

### Specifications

- Line Inputs:
  - single phase: 120VAC/208VAC/240VAC
  - three phase: 208VAC/240VAC, and 480VAC
  - single phase (5 wire): 120VAC/208VAC/240VAC
  - fuse to protect internal 24VAC transformer (40VA)
- Line Outputs:
  - match line input voltage
- Limit switch interface:
  - 3 wire limit switch design
- Power switching element:
  - 3 pole contactor (up to 12Amp depending on model)



Link4 Customer Service Back-up  
Our experts can assist you before, during, and after installation.

Contact your distributor or Link4 Corporation directly for more information on how our range of products can maximize your energy cost savings, provide key information for smart crop management, and offer simple yet advanced control of all your greenhouse climate control elements.

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