



# Digital AC Motor Control with Line Tracking

934-151, 120 VAC Input

934-152, 220 VAC Input

## Digital AC Motor Control Operation

**Note:** To power AC Motor Control the Motor must be plugged in to the controller, the System must be Ready, a Motor Run Cable must be connected, and the Pump Switch must be ON.

**Speed Control:** There are two modes of operation "Auto mode" and "Manual mode." Press JOG/LCL/REM to toggle between "Auto Mode" and "Manual mode".

### Auto Mode

Motor speed adjusts via an isolated 0-10 VDC analog input signal. 0 VDC is OFF and 10 VDC is 100%. The JOG/REM LED will flash in "Auto Mode".

### Manual Mode

Motor speed adjusts from 0% to 100% using the dial on the face of the box.

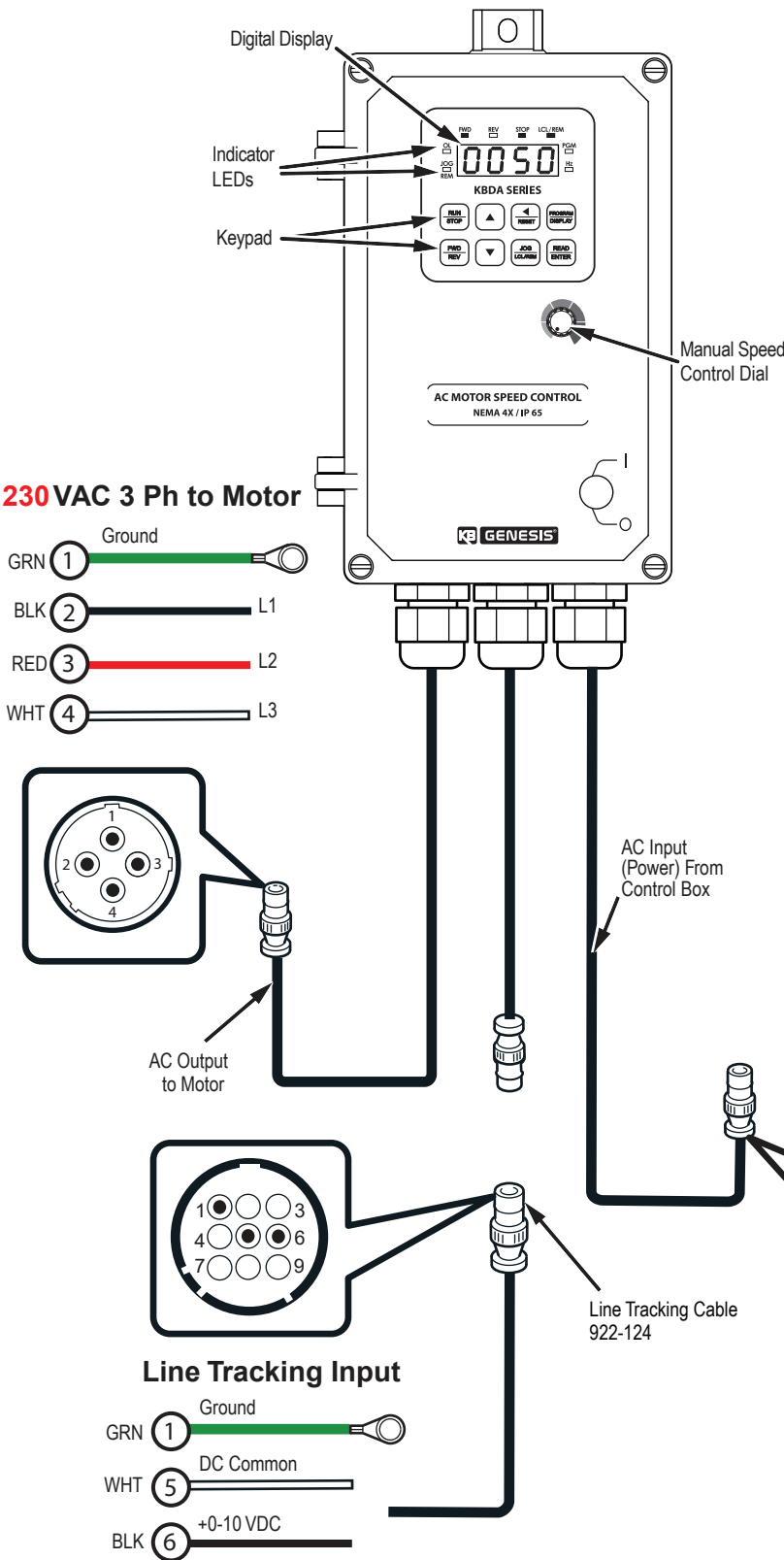
**Digital Display:** Shows the motor speed from 0% to 100%.

### Keypad:

- RUN/STOP** - Press to Start or Stop Motor. Motor defaults to ON when Power is applied to controller.
- JOG/LCL/REM** - Press to toggle between "Auto Mode" and "Manual Mode". Jog is disabled.
- FWD/REV** - Disabled. Will STOP motor if pressed.
- PROGRAM/DISPLAY** - Press to Toggle between "Program Mode" or "Display Mode".
- Used for Programming.

### Indicator LEDs:

- OL** - LED ON when drive is in Overload
- JOG/REM** - LED FLASHES when in "Auto Mode".
- FWD** - LED ON when Motor is set to spin Forward.
- REV** - Not Used.
- STOP** - LED ON when Motor is set to STOP.
- LCL/REM** - LED ON due to LCL/REM Program.
- PGM** - LED ON in "Program Mode".
- Hz** - Not Used



### 230 VAC 3 Ph to Motor

- GRN 1 Ground
- BLK 2 L1
- RED 3 L2
- WHT 4 L3

### 120 VAC Input

- GRN 1 Ground
- WHT 2 Neutral N
- 3
- BLK 4 Power L1

### 220 VAC Input

- GRN 1 Ground
- 2 ---
- WHT 3 Power L2
- BLK 4 Power L1

### Line Tracking Input

- GRN 1 Ground
- WHT 5 DC Common
- BLK 6 +0-10 VDC

