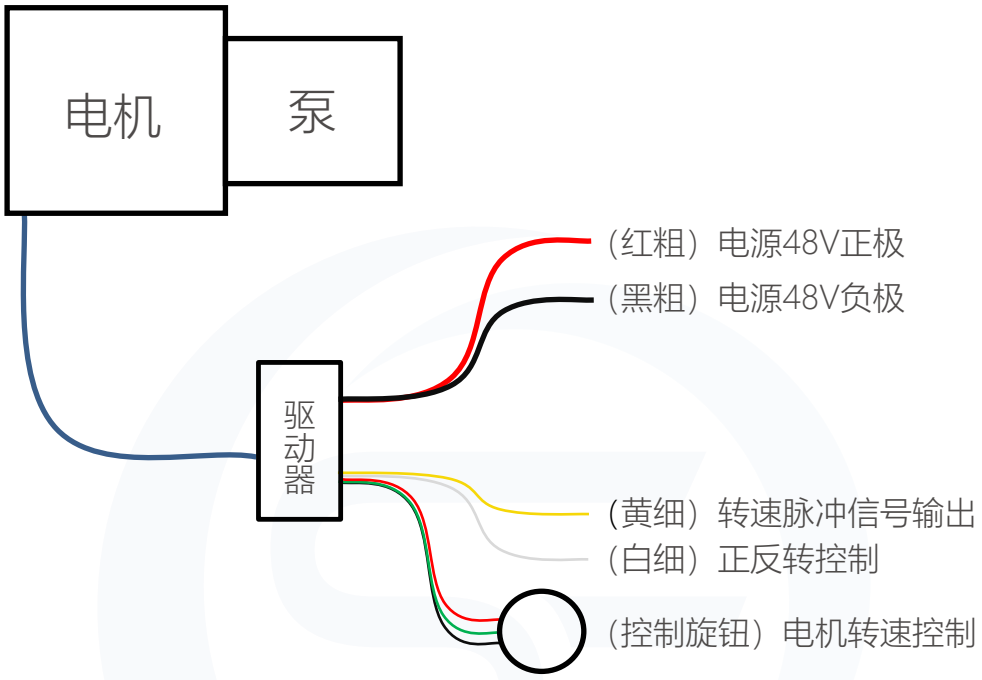
LG9298 48V-300W外置驱动直流无刷电机说明（旋钮调速）



(该电机为直流无刷电机，输入电压48V，额定功率300W，外置驱动器)

接线

- 红色粗线：电源48V正极输入
- 黑色粗线：COM公共端
  (电源48V负极；
  转速脉冲信号的负极；
  正反转控制线的负极)
- 黄色细线：转速脉冲信号输出（每转2个脉冲）
- 白色细线：正反转控制线，与黑色线连接时泵反转
- 调速旋钮：电机转速控制（无旋向要求时，出厂默认逆时针增速，顺时针减速）

注意

- 黄色细线为转速脉冲信号输出，不可以接任何输入，否则会导致转速反馈功能故障；
- 驱动器带有过流保护功能、过温保护功能，触发保护时电机将停机，排除故障后需断电重启以解除保护。

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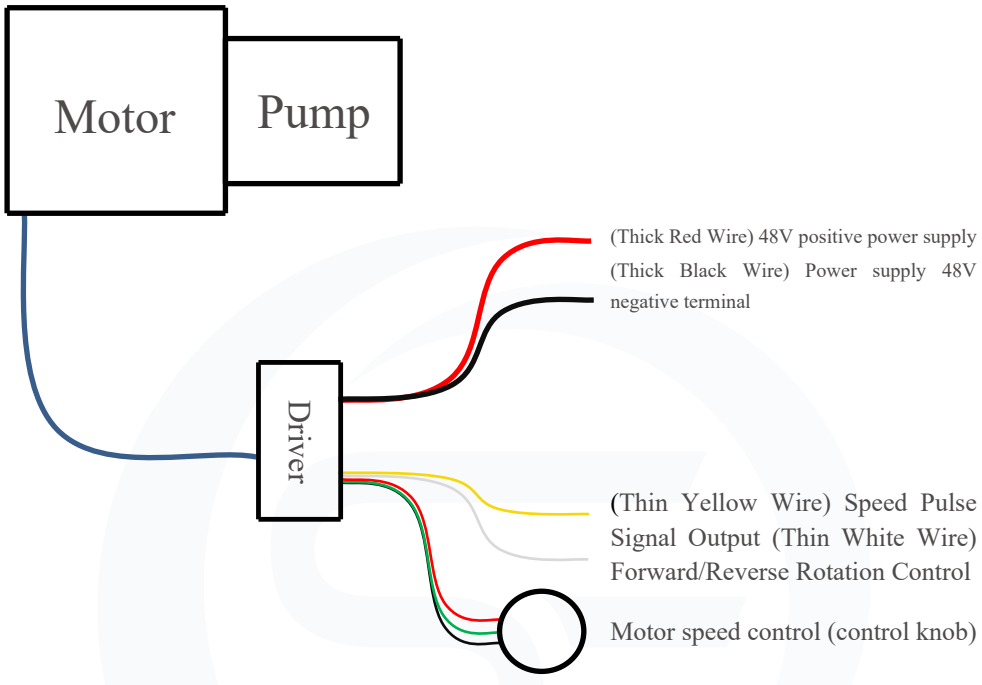
LG9298 48V-300W External Drive DC Brushless Motor Instructions (Knob Speed Regulation)



(The Motor is a DC brushless motor, Input Voltage 48V, Rated Power 300W, external Driver)

Wiring :

- Thick Red Wire: 48V positive power input
- Thick Black Wire: COM common terminal (power 48V negative terminal;

  The negative pole of the rotational speed pulse signal;

  Forward/Reverse Control Wire's negative pole)
- Thin Yellow Wire: Speed Pulse Signal Output (2 pulses per revolution)
- Thin White Wire: Forward/Reverse Control Wire, when connected to the black wire, the pump Reverse Rotation
- Speed Regulation Knob: Motor speed control (when no direction is required, Factory default increases counterclockwise and decreases clockwise)

Notes:

- Thin Yellow Wire is Speed Pulse Signal Output and cannot be connected to any input, otherwise it will cause Function malfunction of speed feedback; Driver has Over-current Protection function and Over-temperature Protection function. When Protection is triggered, Motor will stop. After Fault is resolved, Power must be cycled OFF and ON to release the protection.

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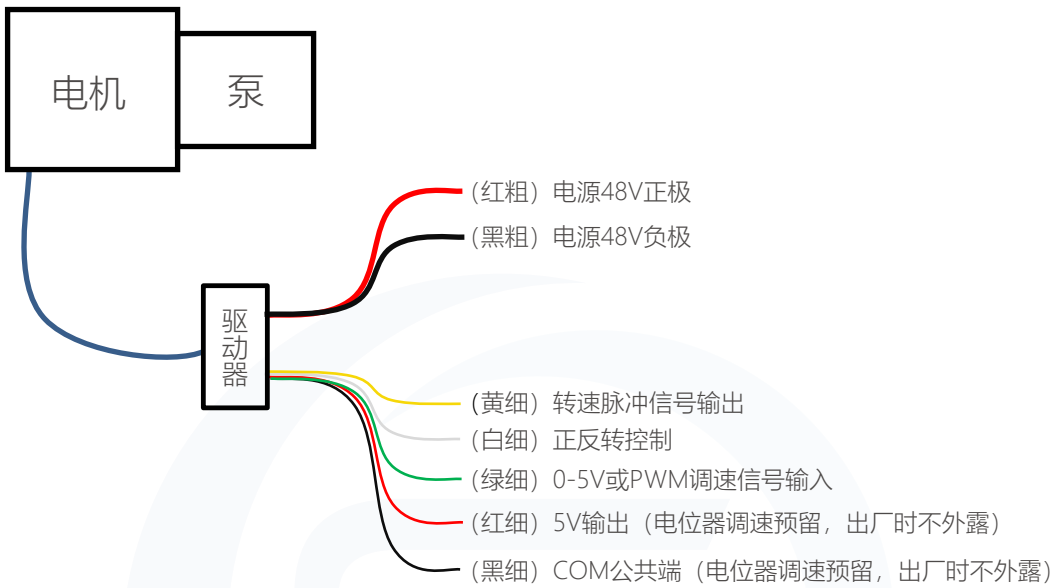
LG9298 48V-300W外置驱动无刷直流电机说明



（该电机为直流无刷电机，输入电压48V，额定功率300W，外置驱动器）

接线

- 红色粗线：电源48V正极输入
- 黑色粗线：COM公共端
  （电源48V负极；
  0-5V或PWM信号的负极；
  转速脉冲信号的负极；
  正反转控制线的负极）
- 黄色细线：转速脉冲信号输出（每转2个脉冲）
- 绿色细线：0-5V或PWM转速调节信号输入
- 白色细线：正反转控制线，与黑色线连接时泵反转
- 红色细线：5V输出（电位器调速预留，悬空不接）
- 黑色细线：COM公共端（同黑色粗线，电位器调速预留，悬空不接）

注意

- 绿色细线为转速调节信号输入，输入电压不得高于5V，否则会导致驱动器故障；
- 黄色细线为转速脉冲信号输出，不可以接任何输入，否则会导致转速反馈功能故障；
- 当不是用电位器调速时，请将红色细线与黑色细线做好绝缘隔离，以免误接导致故障；
- 驱动器带有过流保护功能、过温保护功能，触发保护时电机将停机，排除故障后需断电重启以解除保护。

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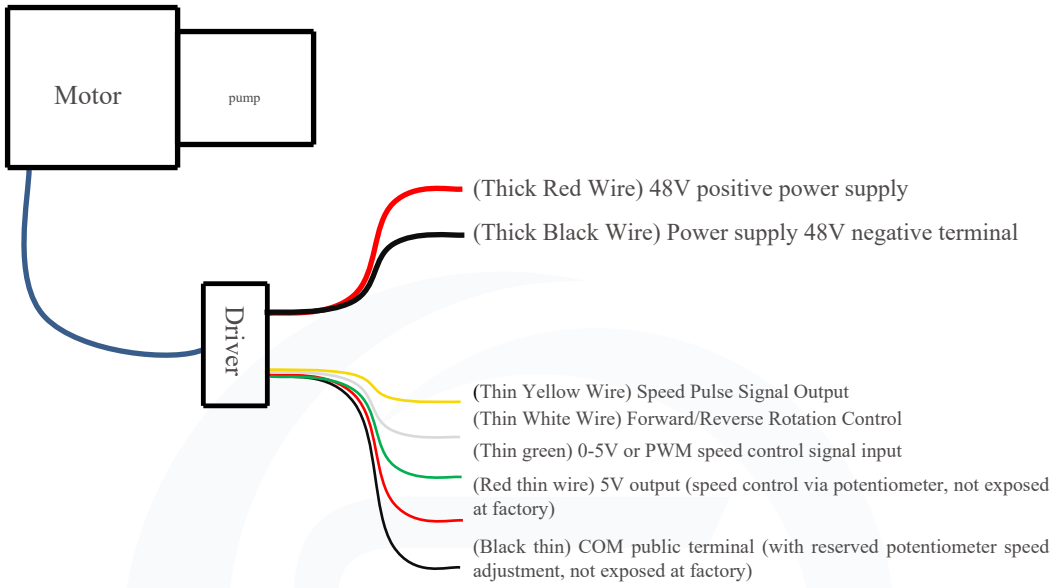
LG9298 48V-300W External Drive Brushless DC Motor (BLDC Motor) Instructions



(The Motor is a DC brushless motor, Input Voltage 48V, Rated Power 300W, external Driver)

Wiring:

- Thick Red Wire: 48V positive power input
- Thick Black Wire: COM common terminal (power 48V negative terminal;

  The negative terminal of a 0-5V or PWM signal;

  The negative pole of the rotational speed pulse signal;

  Forward/Reverse Control Wire's negative pole)
- Thin Yellow Wire: Speed Pulse Signal Output (2 pulses per revolution)
- Green fine line: 0-5V or PWM speed control signal input
- Thin White Wire: Forward/Reverse Control Wire, when connected to the black wire, the pump Reverse Rotation
- Red fine line: 5V output (reserved for potentiometer speed adjustment, Left open / Open circuit not connected)
- Black fine wire: COM common terminal (same as Thick Black Wire, reserved for potentiometer speed adjustment, Left open / Open circuit not connected)

Notes:

- The green fine line is the speed regulation signal input, and the Input Voltage must not exceed 5V, otherwise it will cause Driver failure.
- Thin Yellow Wire is Speed Pulse Signal Output, which cannot be connected to any input, otherwise it will cause Function malfunction of speed feedback;
- When not using a potentiometer for speed adjustment, ensure the red and black wires are properly insulated to prevent accidental connections that could cause malfunctions.
- Driver has Over-current Protection and Over-temperature Protection functions. When Protection is triggered, the Motor will stop. After Fault is resolved, Power must be cycled OFF and ON to release the protection.

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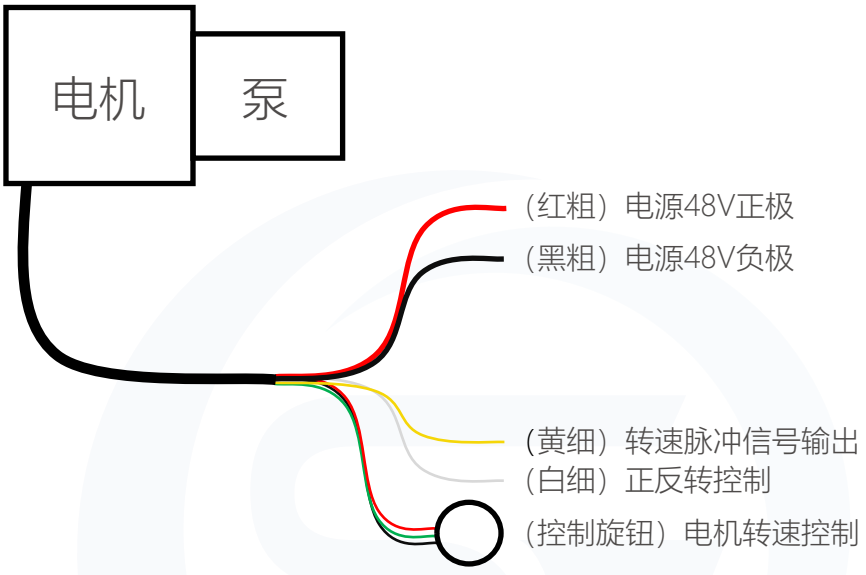
E-mail:lqx@s-fluid.com

LG9298 48V-300W无刷直流电机说明（旋钮调速）



（该电机为直流无刷电机， 输入电压48V，额定功率300W，内置驱动器）

接线

- 红色粗线：电源48V正极输入
- 黑色粗线：COM公共端
  （电源48V负极；
  转速脉冲信号的负极；
  正反转控制线的负极）
- 黄色细线：转速脉冲信号输出（每转2个脉冲）
- 白色细线：正反转控制线，与黑色线连接时泵反转
- 调速旋钮：电机转速控制（无旋向要求时，出厂默认逆时针增速，顺时针减速）

注意

- 黄色细线为转速脉冲信号输出，不可以接任何输入，否则会导致转速反馈功能故障；
- 驱动器带有过流保护功能、过温保护功能，触发保护时电机将停机，排除故障后需断电重启以解除保护。

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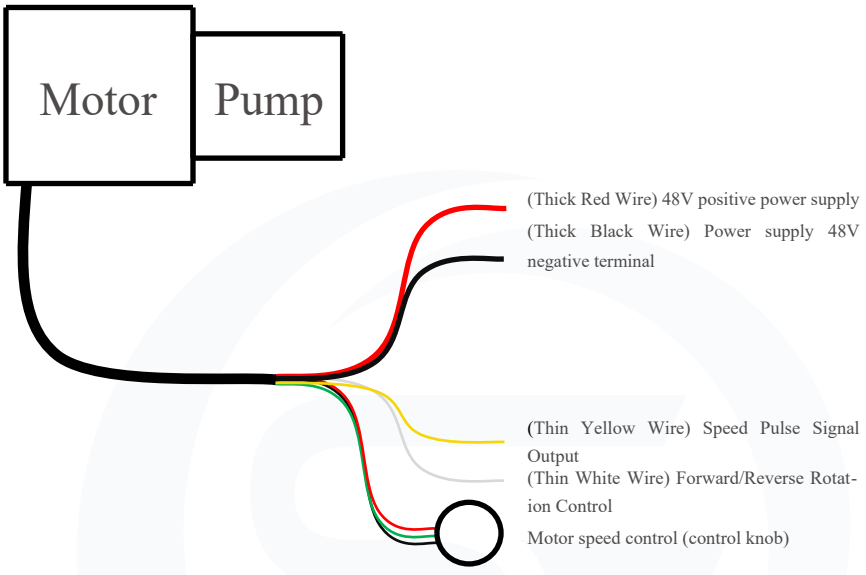
LG9298 48V-300W Brushless DC Motor (BLDC Motor) Instructions (Knob Speed Regulation)



(The Motor is a DC brushless motor, Input Voltage 48V, Rated Power 300W, Built-in driver)

Wiring:

- Thick Red Wire: 48V positive power input
- Thick Black Wire: COM common terminal (power 48V negative terminal;

  The negative pole of the rotational speed pulse signal;

  Forward/Reverse Control Wire's negative pole)
- Thin Yellow Wire: Speed Pulse Signal Output (2 pulses per revolution)
- Thin White Wire: Forward/Reverse Control Wire, when connected to the black wire, the pump Reverse Rotation
- Speed Regulation Knob: Motor speed control (when no direction is required, Factory default increases counterclockwise and decreases clockwise)

Notes:

- Thin Yellow Wire is Speed Pulse Signal Output, which cannot be connected to any input, otherwise it will cause Function malfunction of speed feedback;
- Driver has Over-current Protection and Over-temperature Protection functions. When Protection is triggered, the Motor will stop. After Fault is resolved, Power must be cycled OFF and ON to release the protection.

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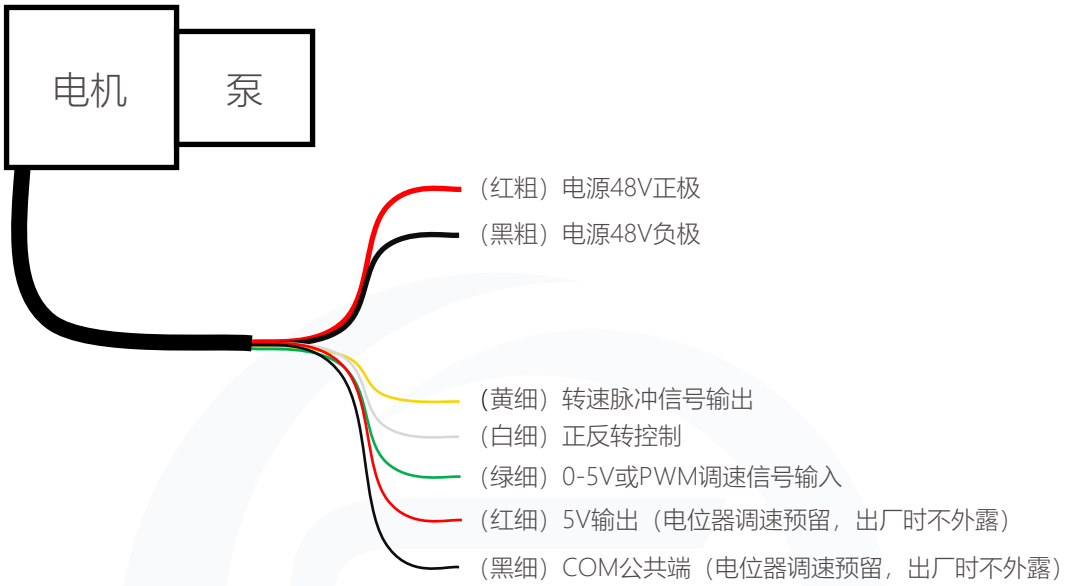
LG9298 48V-300W直流无刷电机说明



（该电机为直流无刷电机， 输入电压48V，额定功率300W，内置驱动器）

接线

- 红色粗线：电源48V正极输入
- 黑色粗线：COM公共端
  （电源48V负极；
  0-5V或PWM信号的负极；
  转速脉冲信号的负极；
  正反转控制线的负极）
- 黄色细线：转速脉冲信号输出（每转2个脉冲）
- 绿色细线：0-5V或PWM转速调节信号输入
- 白色细线：正反转控制线，与黑色线连接时泵反转
- 红色细线：5V输出（电位器调速预留，悬空不接）
- 黑色细线：COM公共端（同黑色粗线，电位器调速预留，悬空不接）

注意

- 绿色细线为转速调节信号输入，输入电压不得高于5V，否则会导致驱动器故障；
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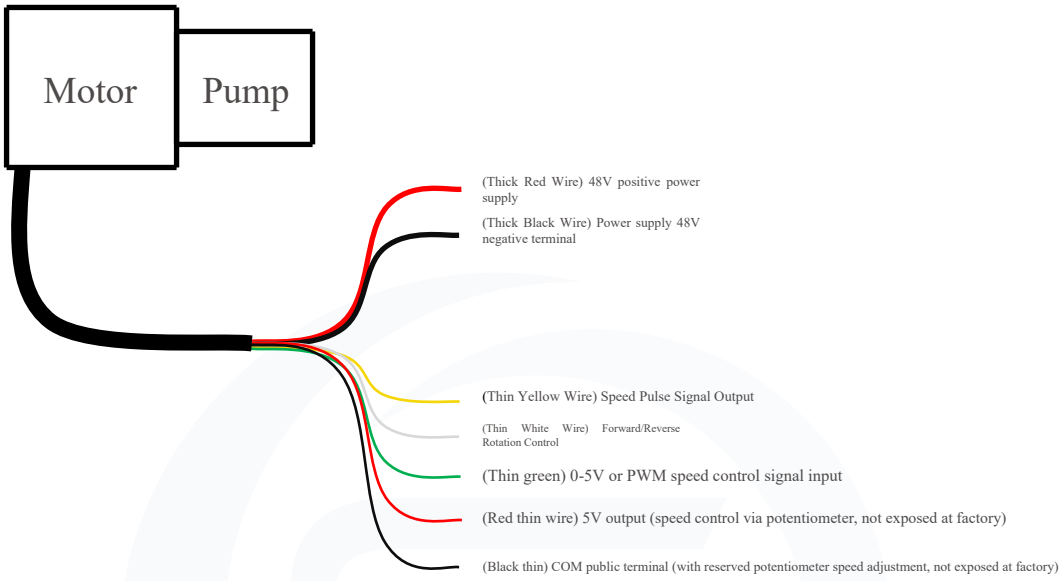
LG9298 48V-300W DC Brushless Motor Instructions



(The Motor is a DC brushless motor, Input Voltage 48V, Rated Power 300W, Built-in driver)

Wiring:

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Notes:

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