

INPUTS AND OUTPUTS

ClearPath inputs and output (I/O) allow the user to send and receive control signals from a ClearPath motor. There are a total of three digital inputs and one digital output accessible through the 8-position Molex MiniFit Jr. connector. Refer to the diagram below for a list of I/O connector mating parts readily available through most electronic component suppliers.

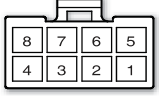
I/O CONNECTOR PARTS AND PINOUT

Clearpath I/O Features

- ✓ 5-24VDC compatible
- ✓ Digitally filtered
- ✓ Optically isolated
- ✓ Configurable output
- ✓ Many input options

I/O Connector Pinout

I/O Connector



wire entry view

- 4 Enable +
- 8 Enable -
- 3 Input A +
- 7 Input A -
- 2 Input B +
- 6 Input B -
- 1 HLFB (output) +
- 5 HLFB (output) -

Mating Parts

Connector Housing 8 position
Molex/39-03-9082 (black)

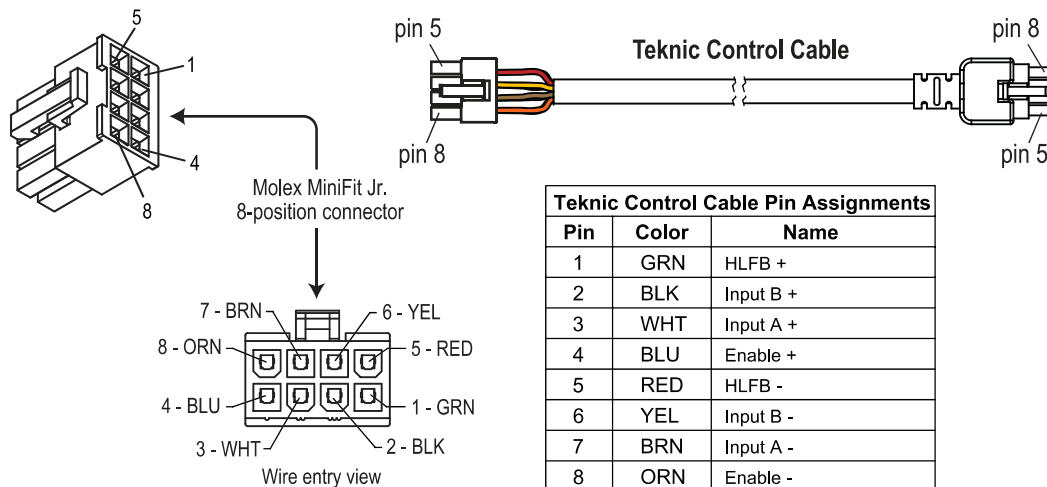
Terminals 22-28 AWG
Molex/39-00-0047 (loose)
Molex/ 39-00-0046 (reel)

Crimp Tool 16-24 AWG
Molex/63819-0900

Terminal Extractor Tool
Molex/11-03-0044

Cable Stock 8/22AWG
Belden 9421

Note: NEMA 34 motor shown at left. NEMA 23 models have 4-pin and 8-pin connector positions swapped, but pinouts and signal names are functionally identical for both motor sizes.



ClearPath I/O connector and mating parts