

Compumotor GV-U3E / GV-U3E-NK
Gemini Digital Servo Drive



\$575.00

In Stock

Qty Available: 5+

Used and in Excellent Condition

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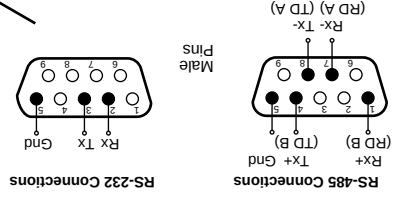
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RS-232/485 Connector - Configuration Port

To configure all drive parameters, connect a PC or HPC to this port. Use Motion Planner or Pocket Motion Planner for drive configuration. (Not ASCII protocol.)

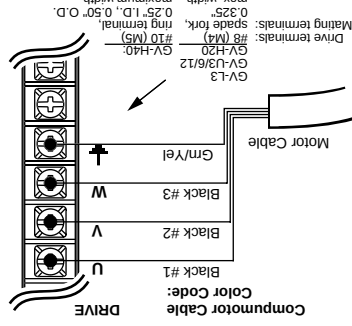


User supplies +24VDC for "keep alive" power to drive: 19.2 - 28.8 VDC 500 mA minimum

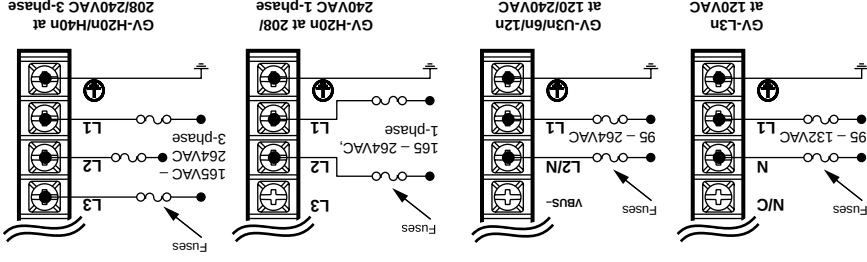
When drive is enabled, it holds relay closed.

Relay rating: 5A at 24VDC or 120VAC.

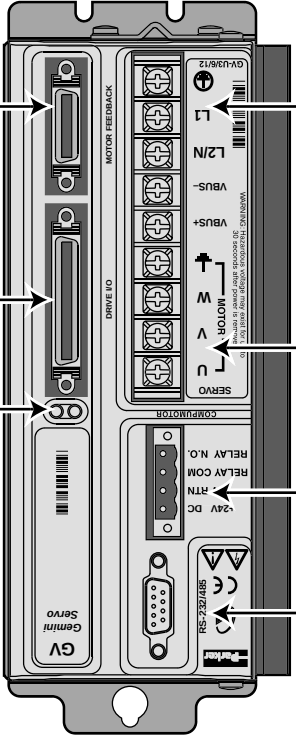
If drive is faulted or disabled, relay will open. (Typical use: control of motor brake.)



AC Input Connections



Gemini GV Digital Servo Drive



Left

Off (flash) Red (flash) Red (flash) Grn (flash) Grn (flash) Off

Right

Initialization Off (flash) Red (flash) Grn (flash) Grn (flash) Off

Indicated State

Awaiting flash download

Programing flash memory

Keep alive mode

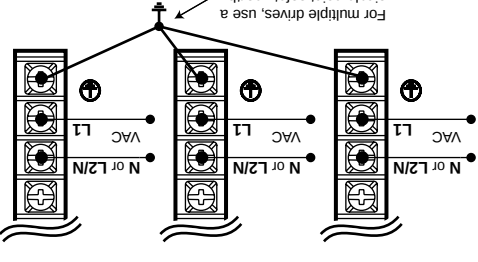
Incoming steps (variable rate)

Drive not enabled

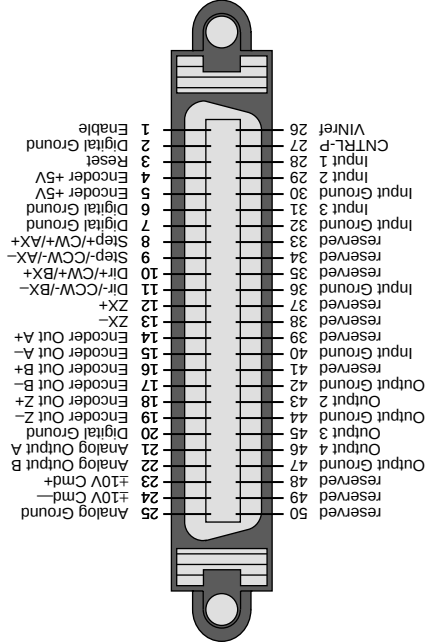
Drive faulted

Drive ready

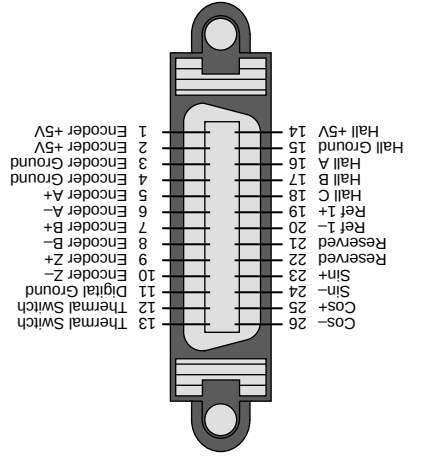
Multiple Drive Connections



26 Pin MOTOR FEEDBACK Connector



50 Pin DRIVE/I/O Connector





Environmental Specifications	
Operating Temperature	Still Air: 45°C (113°F)
Storage Temperature	-40°C – 85°C (-40°F – 185°F)
Humidity	0 – 95%, non-condensing
Shock	15g, 11msec half sine
Vibration	10 – 2000 Hz at 2g

- Short Circuit Protection
- Inrush Current Protection
- Motor Overtemperature Protection
- Drive Overtemperature Protection
- Undervoltage Protection
- Overvoltage Protection
- Current Feedback
- Regeneration Protection

Commonly used status commands (binary status bits are numbered 1 to n, from left to right):

TERRLG Error log reports the last 10 error conditions (cleared with CERRLG).

TAS General report, including fault conditions.

TASX Additional report of conditions not covered with TAS.

TCS If TFSX bit #7 or bit #28 is set, you can identify the cause with TCS.

TINO Bit #6 indicates status of Enable input ("1" = OK to enable drive).

TIN Status of digital inputs, including end-of-travel inputs.

TOUT Status of digital outputs.

You must configure all motor parameters. Be sure to follow the drive configuration procedure (see *Chapter 2 Installation*).

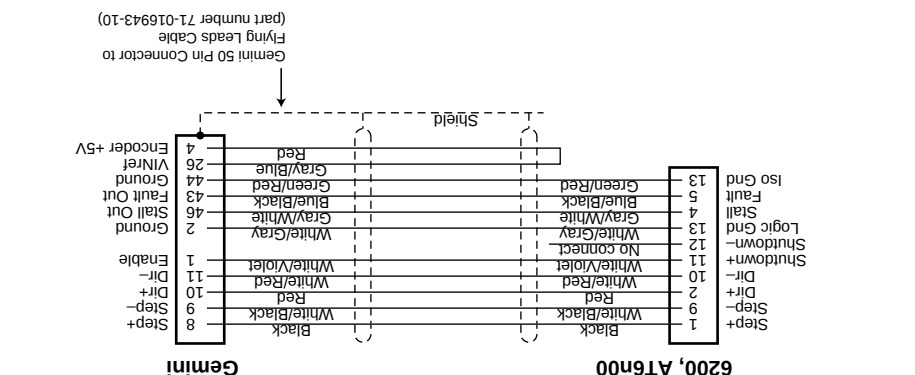
Any fault condition causes the drive to shut down.

The drive can not be enabled (DRIVE1) unless the Enable input is grounded and the Reset input is not grounded.

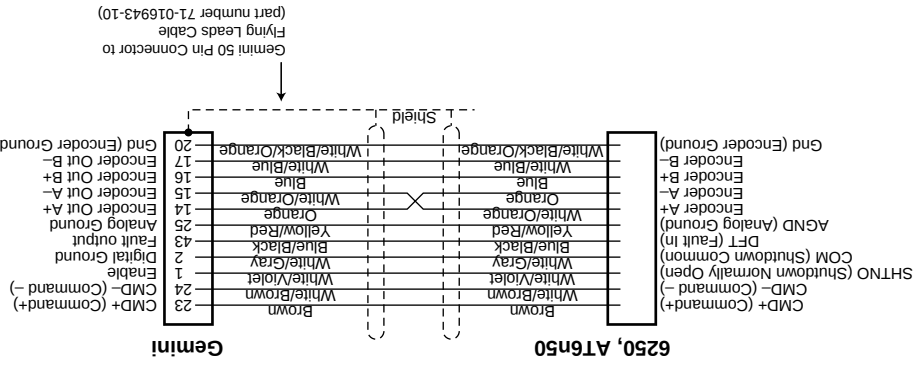
Use one of three methods to reset the drive (all command settings are remembered after reset):

- Issue the RESET command.
- Momentarily close the Reset input.
- Cycle power to the drive.

Troubleshooting

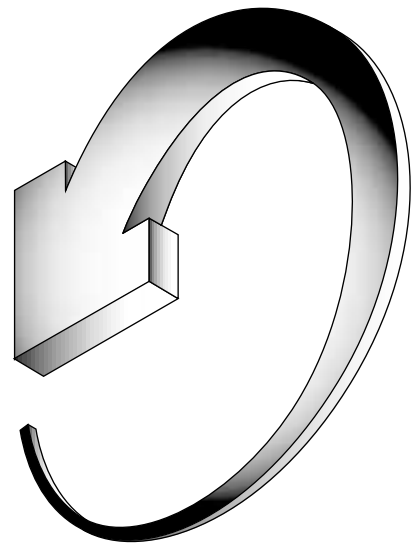


6200 Connections to Gemini Drive

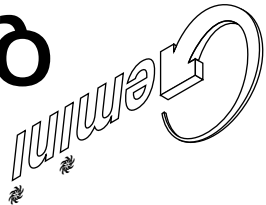


6250 Connections to Gemini Drive

Gemini GV Servo Drive



Quick Reference Guide



Compumotor Division
Parker Hannifin Corporation
p/n 88-01779-01 C (effective December 1, 2001)

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