

**For driving the RotaStep or SRA
Clutch/Brake Units**

JAWZ Features Include:

- ◆ Start and stop signal suppression
- ◆ Programmable signal inputs: edge sensitivity, NPN/PNP signals
- ◆ Free Mode
- ◆ 22 Vdc output
- ◆ 12 Vdc output
- ◆ Status output

Function Description

Start / Stop, Start Inhibit / Stop Inhibit

- Start:** A signal supplied at the Start input turns the Clutch output on, and the brake output off
- Stop Inhibit:** When Stop Inhibit is active, signals supplied at the Stop Input are ignored
- Stop:** A signal at the Stop input turns the Brake output on, and the Clutch output off
- Start Inhibit:** Start signals are ignored as long as Start inhibit is active

Free mode / Brake mode

- Free:** Activation of Free mode turns both valve driver outputs off. The output shaft of the RotaStep/SRA unit can then rotate freely. When Free mode is deactivated, the condition of the valve driver output is determined by the latest activated input mode.
- Brake:** Activation of Brake mode turns on the Brake output, and start signals are ignored

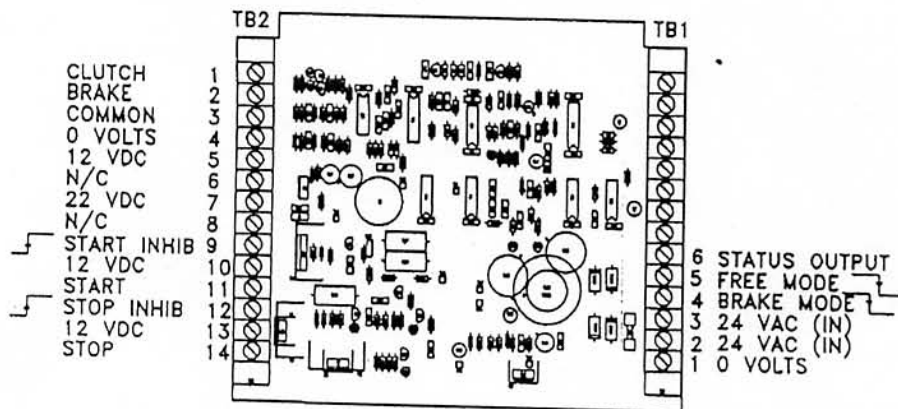
Input Terminals

Terminal	Functions
TB1-4 Brake Mode	Sets the RotaStep/SRA unit in brake mode.
TB1-5 Free Mode	Inhibits driver signals and enables the output shaft to rotate freely.
TB2-9 Start Inhibit	Suppresses the start signal.
TB2-11 Start	Activates the clutch valve driver output.
TB2-12 Stop Inhibit	Suppresses the stop signal.
TB2-14 Stop	Activates the brake valve driver output.

Output Terminals

Terminal	Functions
TB1-1, TB2-4 0 V d.c.	0 V d.c. reference. DO NOT CONNECT TO EARTH !
TB2-1 Clutch	Driver output for clutch solenoid valve.
TB2-2 Brake	Driver output for brake solenoid valve.
TB2-3 BR/CL	Connection to the common point of the solenoid valves. DO NOT CONNECT TO 0V d.c. OR EARTH !
TB2-5, TB2-10, TB2-13 12 V d.c.	12 V d.c. reference.
TB2-7 22 V d.c.	22 V d.c. reference.

JAWZ TERMINAL CONNECTIONS

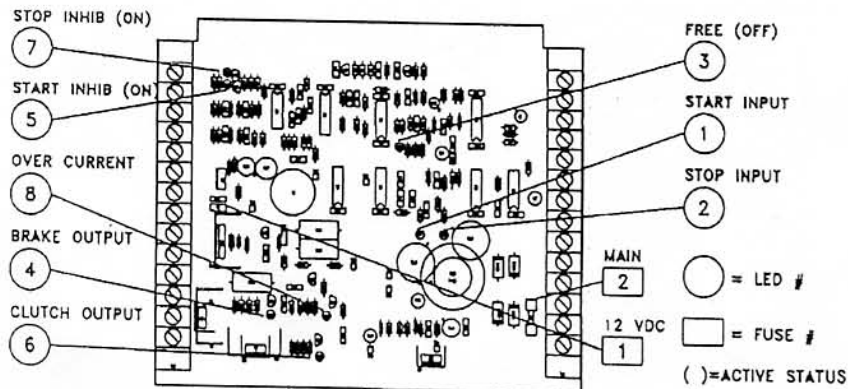


AC Inputs

Terminal	Transformer Connections
Pin 1 – Ground	<p><u>115 VAC Operation:</u> Connect AC to pins 1 & 4 of the Transformer. Jumper pins 1 & 2, 3 & 4.</p> <p><u>230 VAC Operation:</u> Connect AC to pins 1 & 4 of Transformer. Jumper pins 2 & 3. Default on AC input is 115 VAC.</p>
Pin 2 – Line	
Pin 3 – Neutral	

Indicators

JAWZ LED & FUSE LOCATIONS



LED

Status Lights

Led 1 (ds1)

Start Input: Light is normally off. Goes on when start signal is applied to TB2-11. If JP2 is set for positive, light is normally on, and when a start is applied to TB2-11, light shuts off.

Led 2 (ds2)

Stop Input: Light is normally off. Goes on when stop signal is applied to TB2-14. If JP4 is set for positive, light is normally on, and when a stop is applied to TB2-14, light shuts off.

Led 3 (ds3)

Free Led Off (Free Mode): Light is normally on; light shuts off when input TB1-5 is low.
NOTE: WHEN FREE MODE IS ENABLED, DS4 AND DS6 ARE OFF.

Led 4 (ds4)

Brake Mode: When DS4 is lit, system is in brake mode.

Led 5 (ds5)

Start Inhibit: DS5 is normally off. Light comes on when free start inhibit is enabled.

Led 6 (ds6)

Clutch Mode: When DS6 is on, system is in clutch mode.

Led 7 (ds7)

Stop Inhibit: DS7 is normally off; DS7 goes on when stop inhibit is enabled.

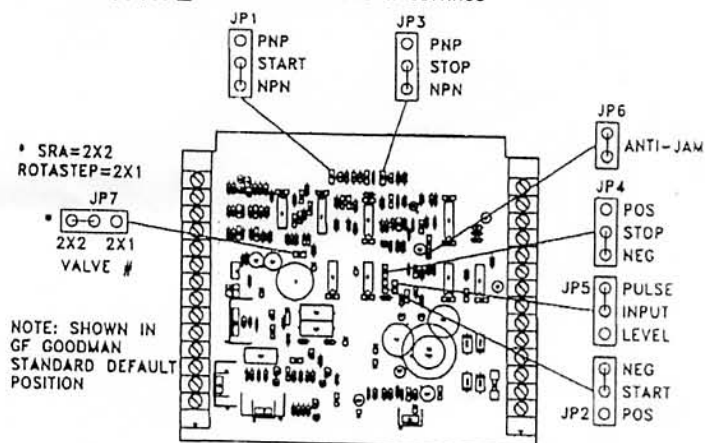
Led 8 (ds8)

Over Current: DS8 is normally off. DS8 will light up if valve outputs are short circuited.

Jumper Settings

Jumper	Function	Default
JP1	Start NPN/PNP Select 1-2 NPN 2-3 PNP	NPN - Pos 1-2
JP2	Start Edge select 2-3 Negative Edge 1-2 Positive Edge	Negative Pos 2-3
JP3	Stop NPN/PNP Select 1-2 NPN 2-3 PNP	NPN-Pos 1-2
JP4	Stop Edge Select 1-2 Negative 2-3 Positive	Negative Pos 1-2

JAWZ JUMPER LOCATIONS & SETTINGS



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