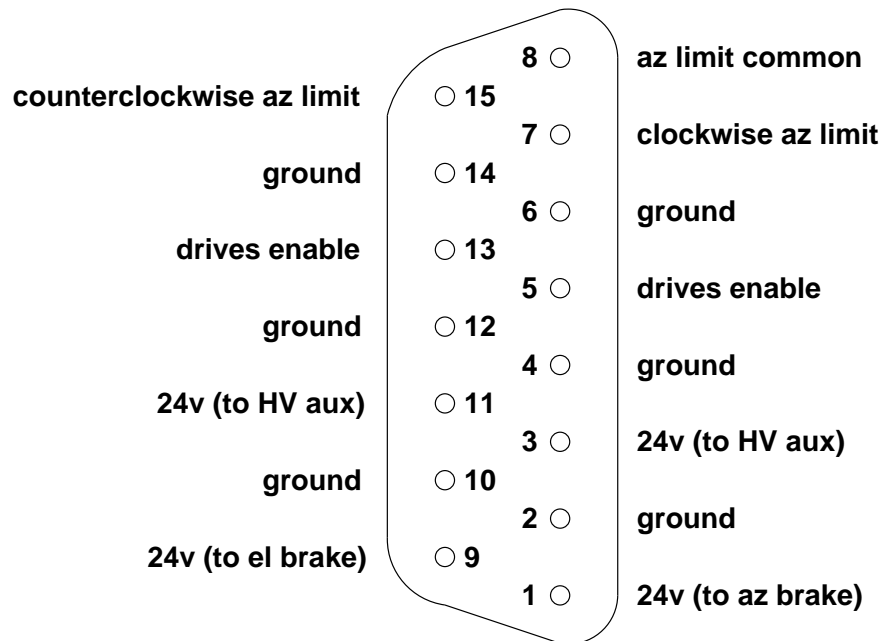


Relay Board Main Connector Pinouts

D-sub 15 female

(connect with straight-through cable to corresponding D-sub 15 male connector on drive box)



- clockwise az limit (7) and counterclockwise az limit (15) are connected to az limit common (8) through normally-closed switches
- drives enable pins (5, 13) are connected through relay contacts which are closed when the main drives transformer power relay is latched
- power to brakes (1, 9) is shut off and on in synchronization with main drives transformer power

D-sub 25 male

(connect with straight-through cable to corresponding D-sub 25 female connector on control box)



- wrap potentiometer is wired to relay board such that resistance between wiper (13) and side (25) increases when azimuth rotates clockwise
- main drives transformer power is latched by holding drives power on/off (24) logic high while pulsing drives power latch (11) logic low-high-low
- pins 1, 3, 5, 11, 14, 16, 18, and 24 are power and control signals from the control box. Pins 7, 8, 9, 10, 12, 13, 20, 21, 22, 23, and 25 are logic and sensor signals returning to the control box