

Sub-Lunar Systems

Slew Drive - Motor Wires - Color Code

Updated August 2024

SDD3 and SDD7 - Azimuth & Elevation Motor Wiring

Red - Motor + (heavy gauge)
Black - Motor - (heavy gauge)
Green / Yellow - Chassis Ground (heavy gauge)
Blue - Hall A (pulse output)
Green - Hall B (pulse output)
Red - Hall + (+5 to +12vdc supply)
Black - Hall - Return (dc supply)

Some motors manufactured in a different factory use these wire colors alternatives.

Red - Motor + (heavy gauge)
Black - Motor - (heavy gauge)
Gray - Chassis Ground (heavy gauge)
Blue - Hall A pulse
Green - Hall B pulse
Brown - Hall + supply
Yellow - Hall - ground

or

Red - Motor + (heavy gauge)
Black - Motor - (heavy gauge)
Green / Yellow - Chassis Ground (heavy gauge)
Blue - Hall A pulse
Yellow - Hall B pulse
White - Hall + supply
Gray - Hall - ground

or

Red - Motor + (heavy gauge)
Black - Motor - (heavy gauge)
Green / Yellow - Chassis Ground (heavy gauge)
Blue - Hall A pulse
Orange - Hall B pulse
Brown - Hall + supply
Gray - Hall - ground

- Hall encoders include internal pull up resistors.