

# LRAS Turret Controller Series

## CS3249-1, CS3249G-1

For vehicles equipped with Long-Range  
Advanced Scout Surveillance System

### Features/Benefits

- Safe proportional speed control
- Turret-mounted batteries provide power independent of vehicle
- Built-in battery charge indicator
- Intelligent charging – will not drain vehicle batteries
- Side-mount; low-profile case for LRAS turret configuration
- Simple break-away disconnects power from vehicle when turret is in motion
- Custom-programmable for different vehicles



### Description

The CS3249 series controllers are configured for the LRAS system. The input/output and power ports are located on the side of controller as opposed to the top. The top has special standoff mounting for the LRAS.

These Turret Drive System motor controllers are part of our Turret Control System (TCS) line of products, and are the military's go-to, field-proven solution for safety and accurately controlling the movement of heavily armored turrets with LRAS.

Field-proven and industry standard on tactical vehicles that have been fitted with the Long-Range Advanced Scout Surveillance System.

### About Us

Designing and manufacturing field-hardened systems to meet the challenges of the military for over 20 years. Control Solutions LLC, your rapid-response provider of motion control solutions.



Long-Range Advanced Scout Surveillance System



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### Specifications

LRAS Turret Controller Series	Value
Input Voltage	24 VDC
Output Voltage	28 VDC, or 28.8 VDC or disabled (Dip switch selectable)
Output Drive	DC Brush Motor
Continuous Output Amps	40A
Peak Output Amps	120A
Joystick Input (x2) Voltage	0V to +5V
Operating Temperature Range °F (°C)	-40°C (-40°F) to 85°C (185°F) Meets MIL-STD-810G
Weight, lbs. (kg)	16 (7.3)
Dimensions, Inches (mm) (L X W X H)	10.8 x 8.4 x 3.3 (273 x 214 x 82)

Note: Specifications are subject to change without notice.

### Ordering Information

CS Part Number	Color
CS3248C	Tan
CS3248C-1	Tan
CS3248D	Green
CS3248D-1	Green



CS3249-1 (shown) TCS Motor Control and Drive Assembly

### CS3249 Diagram

