

Turret Drive System

Power Turret Drive System Upgrade for Manual Turrets

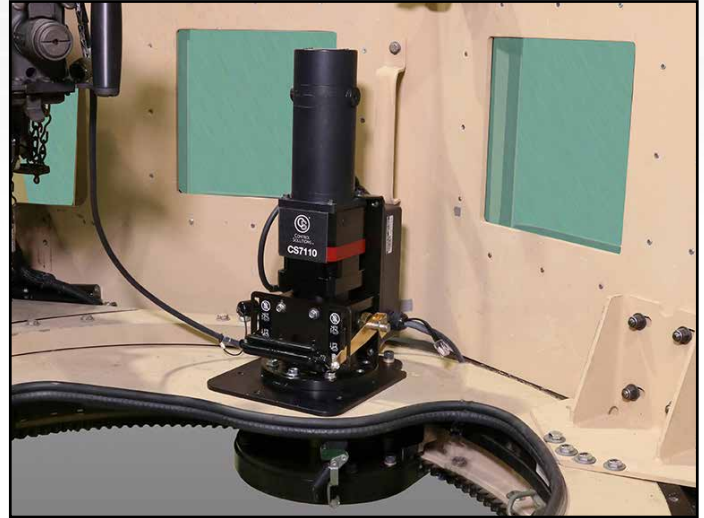
Features/Benefits

- Turret Drive System upgrade for manually operated turrets on tactical vehicles
- Provides power to move turrets with payloads up to 2000 lb /910 kg (dependent upon gunner protection kit (GPK)/weapon geometry).
- Easy to use engagement/disengagement handle
- Manual Override
- Ideal for driving manual turrets with heavy GPKs /cupolas
- Cost effective and efficient solution for automating existing manual turrets

Description

The **CS7110 Turret Drive System (TDS)** provides smooth, proportional acceleration and control of tactical vehicle turrets. This fully integrated proprietary system combines a rugged military-grade variable speed motor and battle-tested DC motor controller into one easy to install assembly. Operation of the turret is via our CS3209 Joystick, CS3210A Thumb Drive or the CS3310 Fingertip Drive Actuators.

The Problem: Tremendous physical effort is required for the gunner to manually rotate turrets with heavy GPKs and cupolas. Manually operated turrets also require the gunner to disengage the target while slewing the weapon.



CS7110 Turret Drive System

The Solution: The CS7110 TDS enables the following:

1. Quicker target acquisition = Increased lethality
2. With the CS3210A or CS3310, the gunner never has to remove hands from weapon to traverse turret and can maintain a constant sight picture during engagements.
3. Better control over weapon positioning than non-powered solutions
4. Less gunner fatigue. The turret can be easily operated under high slope/gradient conditions.

About Us

Control Solutions LLC has designed and manufactured 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.



CS7110 Installed on M1151 Style Turret.

CS7110 Turret Drive System Specifications	
Size (HxWxL) Inches (mm)	16.5 x 7.58 x 7.10 (419 x 193 x 180)
Weight, pounds (metric)	35 lb (16kg)
Operating voltage	24V
Operating current	<10A
Maximum supported payload weight, pounds (metric)	2000 lb, (910 kg)
Rotations per minute	6-8 based on configurations of turret.
Manual operation	Yes (if vehicle power fails)

All specifications subject to change without notification.



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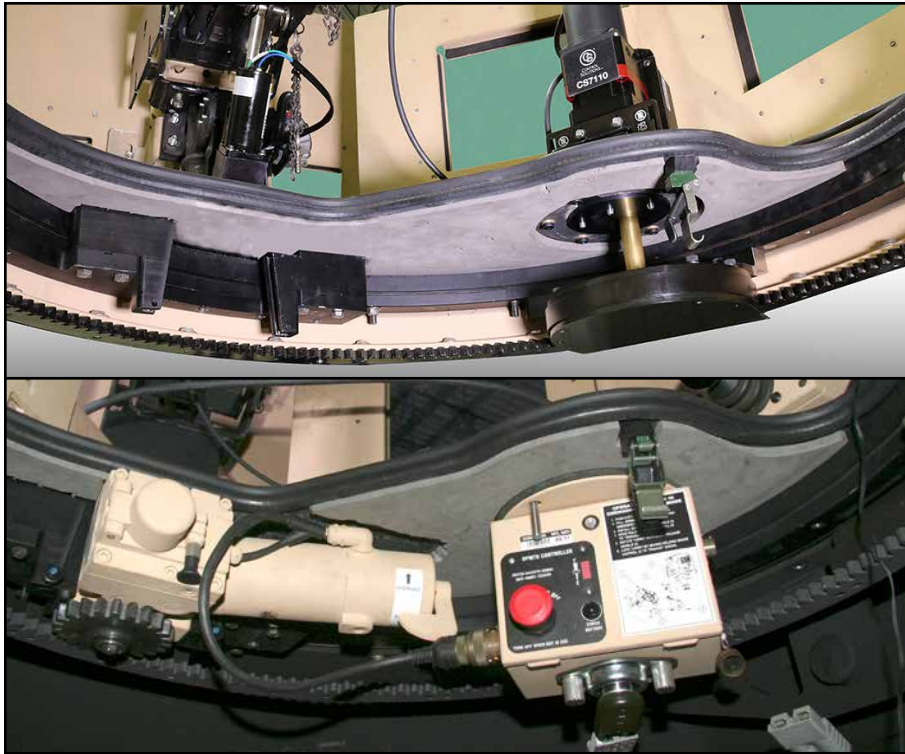


CONTROL
SOLUTIONS

CS7110

Turret Drive System

Power Turret Drive System Upgrade for Manual Turrets



The CS7110 Turret Drive System allows more space inside the cabin versus the traditional drive systems at a significant cost savings.



CONTROL SOLUTIONS LLC™
2520 Diehl Road, Aurora, Illinois 60502
Tel: 630.806.7062 Fax: 630.806.7065
www.controls.com

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