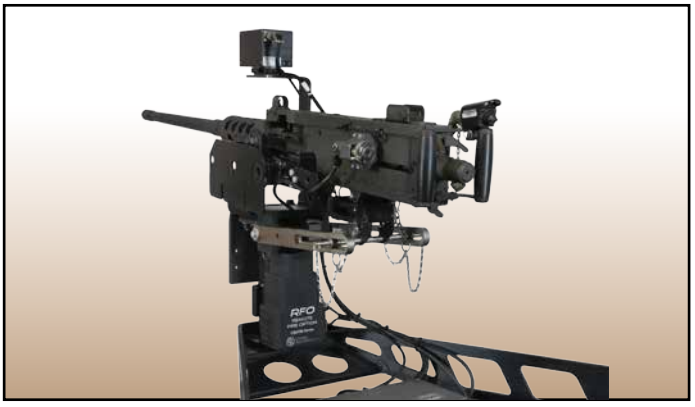
Remote Fire Option* (RFO) System

Remote Operation of Turrets for Tactical Vehicles

* Patent Pending

Features/Benefits

- **Provides the option of either traditional manned turret operation OR remote turret operation, based on the threat environment.**
- **Allows threat engagement with greater accuracy and maximum protection.**
- **Remote target engagement via RFO user interface.**
- **View the threat environment on hi-res video display.**
- **Major Improvement in crew survivability and system effectiveness.**



Turret with RFO System

Description

The Remote Fire Option (RFO) utilizes an intuitive user interface that incorporates a built-in high-definition display. Joystick and trigger controls are straight forward, allowing for a quick training and qualification period.

It provides the option of manual turret operation, or remote operation when needed. Retaining all functionality in remote mode, engagement accuracy is improved while the ability to target threats at greater distances increases. Crew survivability is also enhanced through operations within the hull of the vehicle.

RFO is a modular upgrade to existing ITDS turrets and other platforms. It does not interfere with current armor configurations. Existing fleets can be incrementally upgraded at the Field Depot Level or Theater Storage Area (TSA) in less than one day. The RFO improves lethality while maximizing vehicle mission time.

When engaged, the RFO:

- *Locks the gun in alignment with the camera*
- *Enables the firing solenoid*
- *Activates camera, and user interface for control of the turret*
- *The gunner then uses the user's interface to locate and engage the target.*

The RFO system consists of low-cost, commercial-off-the-shelf components. These "plug-and-play" components include a remote fire solenoid, low light camera, user interface with color display, joystick and trigger, all of which are easily integrated into existing turrets. The RFO weapon system is simple to operate with minimal training while providing a major tactical advantage by allowing the gunner to deliver suppressive firepower from a protected position.

RFO User interface

RFO enables remote operation of the turret while protected inside the vehicle.

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.

All specifications subject to change without notification.

Visit our website:
www.controls.com

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

Designed & Manufactured in the USA

BR0120-01