CS R-400(v)2
Stabilized Remote Weapon Station
Single Weapon - Capability For Different Calibres

Features/Benefits
• Single weapon station with a wide range of weapons supported
• Widely deployed in combat operations
• Stabilized
• Flexible ballistic protection
• Small dispersed modules allow integration into tight internal vehicle spaces
• Integrated video tracker and integrated video and audio recording options
• Integrated battlefield sector scan including 200 pre-settable target reference points
• Integrated firing inhibit zones with field adjustment
• Compact sensor unit housing all sensors in an open architecture with multiple vendors
• Full BIT with advanced logistics support
• Optimized for wheeled and tracked vehicles

Description
R-400(v)2 is a single weapon station capable of operating any of the following automatic weapons: 40 mm AGL, 12.7 mm HMG, 7.62 mm GPMG, 5.56 mm LMG. Canons up to 30 mm can also be operated from R-400(v)2 for superior firepower.

Weapon adapters for 14 common automatic weapons and vehicle adaptations for 16 in-service vehicles are available. Weapon changes are achieved within 20 minutes, with automatic sensing of weapon type by the fire control system. Smoke grenade launchers are optional.

Ballistic protection for key weapon system parts is available up to STANAG 4569 Level 2.

Excellent first-round hit probability is provided by a ballistic solution taking into account not only weapon, ammunition, range and ambient environment, but also vehicle attitude and dynamics. Performance can be further enhanced with optional video track of targets and multi-axis stabilization.

The R-400(v)2 integrates advanced surveillance capabilities, including stabilized sensors and battlefield sector scanning with up to 200 pre-settable target reference points for rapid engagement of likely targets directly from surveillance mode. Sensors are integrated into compact, pre-aligned sensor units and are available from multiple sources. Long-range sensors for standoff surveillance are optional.

The R-400(v)2 includes built-in test and diagnostics to rapidly isolate faults or damage. The R-400(v)2 has a strong record of high reliability and high operational readiness rates in combat operations.

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.

Visit our website: www.controls.com
### Specifications

<table>
<thead>
<tr>
<th>Environmental Data</th>
<th>12.7mm HMG</th>
<th>7.62mm GPMG</th>
<th>40mm AGL</th>
</tr>
</thead>
<tbody>
<tr>
<td>Height Above Roof</td>
<td>687 mm (27.00 inches)</td>
<td>687 mm (27.00 inches)</td>
<td>687 mm (27.00 inches)</td>
</tr>
<tr>
<td>Weight Above Roof with WAK, Less weapon, protection &amp; ammunition</td>
<td>179kg (395lbs)</td>
<td>167kg (368lbs)</td>
<td>179kg (395lbs)</td>
</tr>
<tr>
<td>Weight Above Roof plus weapon, protection &amp; ammunition</td>
<td>340kg (750lbs)</td>
<td>283kg (624lbs)</td>
<td>297kg (655lbs)</td>
</tr>
<tr>
<td>Maximum Ammunition Load</td>
<td>500 rds</td>
<td>1200 rds</td>
<td>96 rds</td>
</tr>
<tr>
<td>Weight Below Roof</td>
<td>26 kg (57 lbs)</td>
<td>26 kg (57 lbs)</td>
<td>26 kg (57 lbs)</td>
</tr>
<tr>
<td>Operating Temperature</td>
<td>-50.8º to +140º F (-46° to +60° C)</td>
<td>-50.8º to +140º F (-46° to +60° C)</td>
<td>-50.8º to +140º F (-46° to +60° C)</td>
</tr>
<tr>
<td>Elevation</td>
<td>-20º to +60º</td>
<td>-20º to +60º</td>
<td>-20º to +60º</td>
</tr>
<tr>
<td>Elevation Rate</td>
<td>60º/sec</td>
<td>60º/sec</td>
<td>60º/sec</td>
</tr>
<tr>
<td>Azimuth</td>
<td>n x 360º</td>
<td>n x 360º</td>
<td>n x 360º</td>
</tr>
<tr>
<td>Azimuth Rate</td>
<td>82º/sec</td>
<td>82º/sec</td>
<td>82º/sec</td>
</tr>
<tr>
<td>Pointing Accuracy</td>
<td>± 0.3 mm (0.12 inches)</td>
<td>± 0.3 mm (0.12 inches)</td>
<td>± 0.3 mm (0.12 inches)</td>
</tr>
<tr>
<td>Position Accuracy</td>
<td>&lt; 300 prad</td>
<td>&lt; 300 prad</td>
<td>&lt; 300 prad</td>
</tr>
<tr>
<td>Power Supply</td>
<td>28 V dc - 40A</td>
<td>28 V dc - 40A</td>
<td>28 V dc - 40A</td>
</tr>
</tbody>
</table>

#### Firing Data

- Stability Under Fire: 1mrad

#### Weapon Integration

- Universal cradle 5.56 mm or 7.62 mm
- Universal cradle 12.7 mm or 40 mm AGL
- 25 mm cannon
- 30 mm cannon
- SGL compatible

#### Sensor Data

- Daylight Camera (color CCD)
- Zoom Range: x30 continuous
- FoV: <1.2º to > 34º on the display
- Focus Range: 30 m to ∞
- DRI (2.3 m x 2.3 m NATO Target)
- Detection Range: > 8000 m
- Recognition Range: > 4700 m
- Identification Range: > 2900 m

#### Thermal Imager

- Type: InSb cooled
- Spectral Band: 3 – 5 µm
- Sensor Resolution: 480 x 384 pixels
- Zoom: x10 continuous
- FoV (H): 3º – 31º
- Focus Range: 30 m to ∞ (98.43 feet)
- DRI (2.3 m x 2.3 m NATO Target)
- Detection Range: > 10350 m (6.43 miles)
- Recognition Range: > 3450 m (2.14 miles)
- Identification Range: > 1725 m (1.07 miles)

**Options:** Ballistic Protection STANAG 4569 Level 2, Acoustic Sensors and Thermal Imagers with different range performance as well as complete third party camera systems (available upon request).

All Specifications are subject to change without notice.