

## Warrior 32 HH2S-9XL10 Handheld Remote

### Features

- ✓ 900MHz Spread Spectrum Technology
- ✓ Up to Ten 2-Step Buttons
- ✓ Rugged High-Impact Polymer Enclosure
- ✓ Protective Rubber Bumper
- ✓ Compact Weatherproof Design
- ✓ Automatic Shutdown on High G
- ✓ Powered by Two AAA Batteries
- ✓ Four LED Indicators
- ✓ Haptic Feedback

The HH2S-9XL10 handheld remotes feature up to ten 2-step pushbuttons. Using Direct Sequence Spread Spectrum (DSSS) wireless technology at 900MHz, HH2S-9XL10 handheld remotes provide a robust link with a receiver in congested radio environments. These handheld remotes feature seamless association to machine units without a need to cycle power or open the machine mounted unit.

The handheld remote will deactivate immediately following a high g-force event. Auto-shutdown is also available through an inactivity timer. Both features are configurable.

Pushbuttons are rated at greater than 6N force to activate the first step and greater than 12N force to activate the second step. Buttons are each rated for 100,000 operations.

Handheld remote unit enclosures are constructed of rugged high-impact polymer with a polycarbonate faceplate securely sealed and attached by eight screws. Further protection is provided by a rubber bumper that covers the back and sides of the unit.

Applications of the handheld remote include but are not limited to overhead crane control, such as 3-motion/2-speed and 2-motion/2-speed. Both can include A/B transfer.



### Specifications





#### Power

<b>V<sub>in</sub></b>	+2.0 to +3.0V
<b>Batteries</b>	Two (2) AAA
<b>Auto-shutdown</b>	Time-Based Inactivity or High g-Force Event Both Programmable

#### Environment

<b>Operating Temp</b>	-20°C to 55°C (-4°F to 131°F)
<b>Storage Temp</b>	-20°C to 85°C (-4°F to 185°F)
<b>Humidity</b>	0 to 95% Non-Condensing

#### Indicator LEDs (Red)

<b>TX/RX</b> 	Transmit/Receive
<b>BATT</b> 	Battery Status
<b>A</b> 	A Selection
<b>B</b> 	B Selection

#### Radio

<b>Frequency</b>	906-924MHz
<b>RF Power</b>	100mW @ 900MHz
<b>License</b>	License Free
<b>Modulation</b>	DSSS
<b>Antenna</b>	Internal

#### Control Functions

<b>Pushbuttons</b>	Up to Ten 2-Step Pushbutton
<b>Force to Operate</b>	>6N First Step, >12N Second Step
<b>Actuations</b>	100,000 Max. (per button)

#### Enclosure (with bumper)

<b>Dimensions</b>	mm: 136.38 x 67.96 x 28.42 inches: 5.37 x 2.68 x 0.92
<b>Total Weight</b>	200gr./7.2oz.
<b>Durability</b>	High Impact Polymer Case Polycarbonate Faceplate Impact Absorbing Bumper



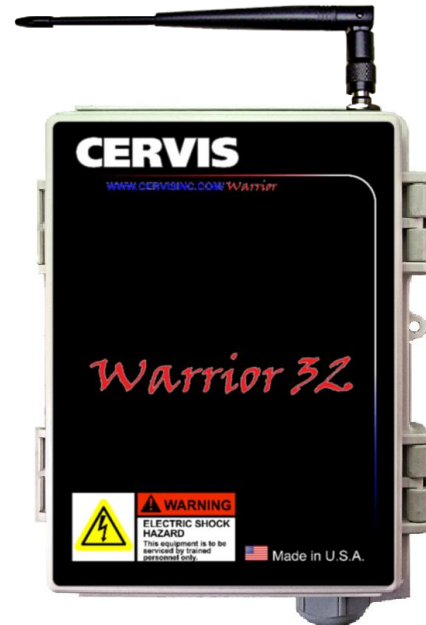
## Warrior 32 MU Machine Unit

### Features

- ✓ Compact Designed to IP65/IP67 Standards
- ✓ 900MHz Operation
- ✓ Designed to ICS 8 NEMA Crane Specification
- ✓ 8 DIP Switches Allow for Configurability

The MU Machine Unit is a low cost machine-mounted unit intended for use on industrial systems. The MU is self-contained and prefigured providing a no-touch solution. The unit is available in 900MHz for maximum flexibility. The MU will accept control commands from HH2S and MCB varieties in the product family.

The MU can be mounted by utilizing the included mounting feet or a 2-bolt mounting plate. The sturdy enclosure allows the MU to operate worry free in harsh weather conditions. A single pre-wired number-keyed 25-wire-fed cable is integral to the unit that allows easy connection to the controlled devices.



### Specifications

#### Power

**Operating Voltage** 110 to 220VAC @ 50-60Hz  
7 to 36VDC  
10 to 28VAC @ 50-60Hz

**Operating Power** 0.35A

#### Environment

**Operating Temp** -40°C to 70°C (-40°F to 158°F)  
**Storage Temp** -40°C to 80°C (-40°F to 176°F)  
**Humidity** 0–95% non-condensing

#### Enclosure

**Dimensions** 8.327" x 6.358" x 3.937"  
(211.50mm x 161.50mm x 100mm)  
**Durability** NEMA 1, 2, 4, 4X  
IP65/IP67  
**Mounting** Four wall mounting brackets and  
Four M4 x 10mm LG. self-tapping  
screws

#### Indicator (LED)

**Green** Used during Association

#### Radio

**Frequency (MHz)** 906-924  
**Power** 100mW  
**License** License Free  
**Antenna** External (RP – TNC)

#### Safety Circuit

**Two (Series)** Type Form A  
**Contact Rating** 8A Max. @ 250VAC

#### Control Relays

**Sixteen** Type Form A  
**Contact Rating** 8A Max. @ 250VAC

