



10-Button Application Tool

M016.0.0

Customer Name: _____

Contact Name: _____

Email: _____ Phone: _____

Application Description / Machine Type: _____

Date of Submission: ____ / ____ / ____ Revision: _____

Thank you for considering Cervis, we look forward to working with you in your application.

This tool is designed as a pre-sale document to aid in the communication and documentation of the application. The information presented in this document will be used for quoting purposes and therefore it is recommended to provide as much detail as possible such that the following proposal reflects the total requirements as closely as possible. Should any questions arise during use of this document please contact Cervis' sales department at 724-741-9000. Thank you for considering Cervis, we look forward to working with you in your application.

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Application Description

Describe application including environment of operation:

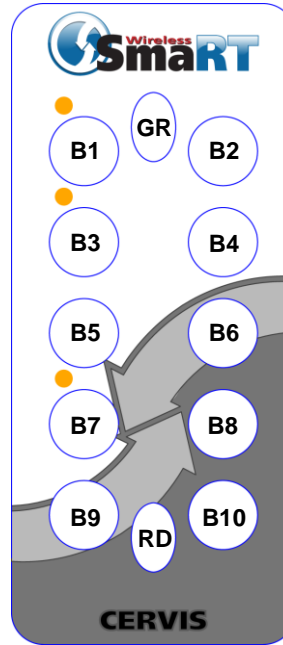
Radio Frequency Operation Options

- 900MHz 10mW Output Power (Typical Range ~300m)

- 2.4GHz 100mW Output Power (Typical Range ~300m)

Note: Range estimations above are not guarantees and are dependent on device to device relationship and obstructions that will reduce the quality of the RF link. Operating distances mentioned above are results based upon good “conditions” and “line of sight” between devices.

10-Button Design



	<u>FUNCTION:</u>	<u>CUSTOM LOGIC</u>
GREEN	Power on	
B1		
B2		
B3		
B4		
B5		
B6		
B7		
B8		
B9		
B10		
RED	Power off	

Note: A high resolution file must be provided if Custom Graphic Label is selected, and it is an extra cost. Please speak to the salesman about this cost.

Base Unit Antenna Options

- Internal Antenna (Typically used when mounting base unit outside of other enclosures)
- External antenna
 - Mounted to Base Unit
 - With 3 foot extension cable (straight connector to panel mount bulkhead)
 - With 10 foot extension cable (straight connector to panel mount bulkhead)
 - With 10 foot extension cable (right angle connector to panel mount bulkhead)
 - With 20 foot extension cable (right angle connector to panel mount bulkhead)



Panel Mount Bulkhead



Straight Connector



Right Angle Connector



900Mz Antenna
7 inch length
Right Angle/Straight



2.4GHz Antenna
6 inch length
Right Angle/Straight

Base Unit Power Supply

- 7-28 VDC*
- 110-220 VAC 47-440Hz
- 110-340 VDC**
- 12-24 VAC**

*Some models have split low voltage DC specifications 9-12VDC or 18-36VDC

**Not available on all base unit models

Describe power supply type: _____

- Motor Reversing H-Bridge 25A Max Load @ 55°C 12 VDC

Base Unit Output Requirements

- Relay contacts Normally open contact Quantity: _____
 Normally closed contact Quantity: _____

Contact Rating

- Resistive: 5A at 250 VAC or 30 VDC
 Resistive: 10A at 250 VAC or 30 VDC
 Inductive: 2A at 250 VAC or 30 VDC (proposal will include snubber circuits on contacts)

Resistive load example: indicator light
Inductive load example: valve or relay coil

Describe output interface: _____

- PWM (Pulse Width Modulated) output PWM Frequency: _____ Hz
Coil Resistance: _____ Ω
Quantity: _____

- Current control Initial Current: _____ mA
Final current: _____ mA
Quantity: _____

- Analog output Variable voltage: ___ to ___ VDC
 4-20mA

Describe output interface/valve type: _____

Base Unit Output Requirements (Continued)

Base Unit Data Communication Requirements

- CAN Bus J1939

- CAN Bus CAN Open

Base Unit Output List

	Function Name	Output Type	Logic: Special Requirements
1			
2			
3			
4			
5			
6			
7			
8			
9			
10			
11			
12			
13			
14			
15			
16			
17			
18			
19			
20			
21			
22			
23			
24			

Function Name Example: Drive Forward, Drive Reverse, Rotate CCW, Rotate CW, etc.

Output Type: Latching, Momentary, PWM, Current, Analog, H-Bridge, CAN Bus, etc.

Logic/Special Requirements: Describe which button or switch activates that output or special conditions for output, i.e., if the output is conditioned on an Input or other function

Base Unit Input Requirements

- 4-20mA
- Variable voltage: ___ to ___ VDC
- Digital High side voltage: _____
- Low side (contact to power supply ground)

Base Unit Input List

	Function Name	Input Type	Logic: Special Requirements
1			
2			
3			
4			
5			
6			

Function Name Example Boom Pressure, Extend Limit
Input Type: Variable voltage, 4-20mA, Dry contact, etc.
Logic/Special Requirements: Describe if input interacts with other functions

Describe input interface/device: _____

Base Unit Options

Four character LED alphanumeric display



Display Example

Eight character LED alphanumeric display



Describe desired display usage: _____

Base Unit Software Requests

Link Definition

Safety LINK Enabled (where all outputs will clear upon loss of link)

Safety LINK Disabled (where latched commands will remain latched upon loss of link, but all momentary commands that are active deactivate)

Component Architecture

One to One (where one handheld and one base unit have an exclusive pairing)

Many to One (where more than one handheld can be paired to a base unit)

One to Many (where one handheld is paired to several base units)

Many to Many (open architecture where many handhelds and base units are paired)

Describe any special requirements: _____

Standard Base Unit Wiring Offering

36" (multi-conductor cable)

96" (multi-conductor cable)

Base Unit Mounting

Base Unit Mounting:

Outside Environment

Inside Environment

Inside other enclosure Metallic enclosure Polymer Enclosure



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