



Wireless SMART

2, 4 & 6 Button Handhelds

Applications

- Mobile Equipment
- Industrial Equipment
- Cement Mixers
- Winches
- Gates/Doors
- Concrete Line Pumps
- Vacuum Trucks
- Hydraulic Trailers
- Towing Equipment
- Agriculture Equipment



SMART 6 Handheld











SMART 4 Handheld



SMART 2 Handheld

Engineered SMART by Design

- Affordable 
- Fully Programmable 
- 5M+ Button Operations 
- 900MHz & 2.4GHz DSSS (Direct Sequence Spread Spectrum) 
- Operating Temp. -20 to +55 degrees C 
- Alkaline Batteries 
- Internal Antenna 
- IP65 Integrity 

SMART wireless is the latest wireless control development from Cervis. These systems utilize 900MHz and 2.4GHz DSSS transceiver RF communication standard allowing for feedback to operators via three tri-colored LEDs on each handheld or LCD display options. Handheld units are available in 2, 4, & 6 button models and are designed to meet the environmental and durability requirements of your application.

What's SMART about these controls? It's simple; the SMART wireless products have been designed to be fully programmable with the base unit taking on the characteristics of a mini PLC in order to serve the growing complexity of applications while providing sensitivity to the cost challenges of OEMs. Base unit input/output logic is programmable with latching, momentary, timed, sequenced, CAN and PWM features. Additionally, base units can utilize their I/O capability and transceiving RF protocol to perform as standalone contact/sensor monitors.



System Specifications

Frequency	906 - 924 MHz or 2.4GHz DSSS
RF Power	1mW (2mW for 2.4 GHz option)
Weight	200gr. / 7.2oz. with lanyard
Dimensions	5.37" x 2.68" x 0.92"
Batteries	(3) AAA
Operating Temp	-20°C to 55°C
Antenna	Internal/External Option
Modulation	DSSS
Indicators	Transmit, Receive and link

- Spread Spectrum Technology
- Rubber Bumper
- Multi LED Indicators
- Rugged High-Impact PolyCarbonate Enclosure
- Compact Weatherproof Design



Wireless SMART

Solid State Base Unit

Available Voltage Ranges	7 - 32 Vdc
Number of I/Os	0 6
	0 8
	0 16
	1 AI2 - 4 to 20
	1 AV2 - 0 - 10
CAN Compatible	

SmaRT Solid State Base Unit features up to sixteen high-side switching fault monitored FET outputs or switch-to-ground digital inputs. The versatile, programmable digital inputs can be customized by Cervis to fit specific applications. Base Units accept a broad range of input voltage with operating voltages ranging from 7 to 32 Vdc. The rugged weather proof enclosure allows the unit to operate worry free in harsh weather conditions.



Standard Handheld Configurations

Handheld controls can be programmed as PTO, DO or OO.

PTO - Push to Operate where the handheld transmits RF signal only when a function button is pressed

DO - Dedicated ON/OFF button where the handheld must be turned on by the ON/OFF button prior to any function buttons allowing output activation. Typically, a programmable inactivity timer is enabled to conserve battery life while in this mode.

OO - Dedicated ON and Dedicated OFF button where the handheld utilizes independent ON and OFF buttons and the handheld must be turned ON prior to any function buttons allowing output activation. Typically, a programmable inactivity timer is enabled to conserve battery life while in this mode.

"S" Feature - A Shift feature is available in 4 & 6 button handhelds, allowing for the programming of a secondary option for a function button by utilizing the "S" button.



Relay Contact Base Unit

Available Voltage Ranges	9 - 18 Vdc
	18 - 32 Vdc
	24 - 235 Vac
Number of outputs	6 form C
	NO/NC Relay
Rating	10A Max per Channel Power Factor: 0.6

SmaRT Relay Contact Base Units feature six form C relay outputs, each 10A max with independent commons and transient power suppression. All connections are made via dual 12-wire cables using uniquely keyed connectors to guard against cross connection. The rugged weatherproof enclosure allows the unit to operate worry free in harsh weather conditions.

