

## SmaRT BU-916F

### Features

- ✓ 900MHz Spread Spectrum Technology
- ✓ Sixteen FET Outputs/Inputs
- ✓ Dual connector interface for ease of wiring
- ✓ Diagnostic LED outputs
- ✓ Compact design
- ✓ Weatherproof

The SmaRT™ BU-916F features sixteen FET, high side switching outputs or switch-to-ground digital inputs. The versatile, programmable digital inputs can be customized by Cervis to fit specific user applications.

The BU-916F accepts a broad range of input power with operating voltages ranging from 7VDC to 32VDC. The rugged weatherproof enclosure allows the unit to operate worry free in harsh weather conditions. Two unique styles of connecting cables are available; both weatherproof 12-wire cables with each cable offering the optional protection of an easily replaceable blade-type fuse.

SmaRT™ base units feature seamless association to a SmaRT™ hand-held unit without the need to open the case. Using Direct Sequence Spread Spectrum (DSSS) wireless technology at 900MHz, the base unit provides a robust link with a SmaRT Hand-Held Remote in congested radio environments.



### Specifications

#### Radio

<b>Frequency</b>	906-924MHz
<b>License</b>	License Free
<b>Modulation</b>	DSSS
<b>Antenna</b>	Internal

#### Environment

<b>T<sub>Operating</sub></b>	-20°C to 70°C (-4°F to 158°F)
<b>T<sub>Storage</sub></b>	-40°C to 85°C (-40°F to 185°F)
<b>Humidity</b>	0 to 100%
<b>Vibration/Shock</b>	IEC60068-2-6 10Hz to 150Hz @ 1.0g peak acceleration 10.0g peak shock acceleration

#### Indicators

<b>In</b>	Green	–	Input On
<b>Out</b>	Green	–	Output On
<b>Health</b>	Green	–	pulse/sec. OK
<b>TX/RX</b>	Green	–	Receive
	Red	–	Transmit
<b>Power</b>	Yellow	–	OK
	Red/Green	–	Fault

#### Power

<b>V<sub>in</sub></b>	+7 to +32VDC
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#### Enclosure

<b>Dimensions</b>	119mm x 133mm x 36mm (5.24" x 4.69" x 1.42")
<b>Durability</b>	High Impact Polymer
<b>Mounting Holes</b>	7.4mm (0.29") dia. 102mm center-to-center (4" center-to-center)

#### Outputs/Inputs

<b>Sixteen</b>	FET –Open Drain
<b>Current</b>	Per channel 4A Max. total 24A
<b>Assignments</b>	Ch1: P2 – 3      Ch2: P2 – 4 Ch3: P2 – 5      Ch4: P2 – 6 Ch5: P2 – 7      Ch6: P2 – 8 Ch7: P2 – 9      Ch8: P2 – 10 Ch9: P1 – 3      Ch10: P1 – 4 Ch11: P1 – 5      Ch12: P1 – 6 Ch13: P1 – 7      Ch14: P1 – 8 Ch15: P1 – 9      Ch16: P1 – 10