

SmaRT BU-908F

Features

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

The SmaRT™ BU-908F features eight 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-908F 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 styles of connecting cables are available; both weatherproof 12-wire cables with one cable offering the added 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

Power

V_{in} +7 to +32VDC

Environment

$T_{Operating}$ -20°C to 70°C
(-4°F to 158°F)

$T_{Storage}$ -40°C to 85°C
(-40°F to 185°F)

Humidity 0 to 100%

Vibration/Shock IEC60068-2-6
10Hz to 150Hz @ 1.0g peak acceleration
10.0g peak shock acceleration

Indicators

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

Radio

Frequency 906-924MHz

License License Free

Modulation DSSS

Antenna Internal

Enclosure

Dimensions 119mm x 133mm x 36mm
(5.24" x 4.69" x 1.42")

Durability High Impact Polymer

Mounting Holes 7.4mm (0.29") dia.
102mm center-to-center
(4" center-to-center)

Outputs/Inputs

Eight FET –Open Drain

Current Per channel 4A
Max. total 24A

Assignments Ch1: P1 – 3 Ch2: P1 – 4
Ch3: P1 – 5 Ch4: P1 – 6
Ch5: P1 – 7 Ch6: P1 – 8
Ch7: P1 – 9 Ch8: P1 – 10