



The SW-BS, Straightpoint base station, provides a configurable analogue or digital output for any single or multiple (up to a maximum of four) Crosby Straightpoint wireless load cells. The SW-BS is ideal for integration with PLC, SCADA, DAQ or other compatible third-party system.

The device can be configured to provide any of the following outputs as per configuration:

- 4-20mA
- Relay setpoint
- RS485 ASCII
- Optional CANbus 2.0A & 2.0B

The load data from the wireless loadcell can then be seamlessly fed into an external controller installed on a crane, vehicle or other machinery requiring feedback for close loop or real time control and monitoring.

If the base station is paired with more than one loadcells, the serial output will contain the WLL sum of all the connected loadcells by default. There is an option available to get individual loadcells data through the serial output upon request.

Features & Benefits

- 4-20mA analogue or RS485 / CANbus digital output for integration into existing systems
- 2 onboard relay setpoints to allow external switching
- Wireless connection to load cells to distance of 800m/2652ft
- Wide range of power supply: 9-32V DC
- IP65 or NEMA 4 Enclosure

SP Model	SW-BS-MA	SW-BS-RLY	SW-BS-485-I	SW-BS-485-S
Crosby Part	2790027	2790026	2789778	2789779
Required Power Supply	9 to 32 V DC	9 to 32 V DC	9 to 32 V DC	9 to 32 V DC
Operational Current	0.5A	0.5A	0.5A	0.5A
Output	Current 4-20mA	2 relay outputs	RS-485 ASCII	RS-485 ASCII
Radio frequency	2.4 GHz (License Free)	2.4 GHz (License Free)	2.4 GHz (License Free)	2.4 GHz (License Free)
Maximum no. of Loadcells	4 Wireless Loadcells (Sum)	4 Wireless Loadcells(Individual)	4 Wireless Loadcells (Individual)	4 Wireless Loadcells (Sum)
Range (Max)	Up to 800 m / 2625 ft	Up to 800 m / 2625 ft	Up to 800 m / 2625 ft	Up to 800 m / 2625 ft
Operating temperature	-10°C to 50°C / 14°F to 122°F	-10°C to 50°C / 14°F to 122°F	-10°C to 50°C / 14°F to 122°F	-10°C to 50°C / 14°F to 122°F
IP Rating	IP65	IP65	IP65	IP65
Dimension	180 x 120 x 60mm	180 x 120 x 60mm	180 x 120 x 60mm	180 x 120 x 60mm
Current Output Type	4-20mA (Across Green & Yellow wires)	N/A	N/A	N/A
Current Output Resolution/ Bits	4096/12	N/A	N/A	N/A
Number of Relay Output	N/A	2 (based on single set point)	N/A	N/A
Relay Type	N/A	SPST (Relay 1 NO & Relay 2 NC)	N/A	N/A
Contact Rating	N/A	5 A at 250 VAC / 5 A at 30 VDC	N/A	N/A
RS 485 Type	N/A	N/A	ASCII	ASCII

SW-D USB dongle & Config software
required to change the set points