

Wireless base station



The SW-BS, Straightpoint base station, provides a configurable analogue or digital output for any single or multiple (up to a maximum of four) 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 and 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

Part Numbers		SW-BS	
SP		2789314	
Crosby		2789314	
Required power supply	9 to 32V DC		
Operational current	0.5A		At 12V supply TBC
Output options	Current 4-20mA, 2 relay outputs, RS485 ASCII (configurable)		At 12V supply TBC
Radio frequency	2.4GHz (licence free)		
Maximum no. of load cells	4 wireless load cells		
Range	800m or 2652ft		
Operating temperature range	-10°C to +50°C or 14°F to 122°F		
IP rating	IP65 or NEMA4X		
Dimensions	180mm (7") x 120mm (4.72") x 60mm (2.36")		
Current output specification	Type	4-20mA (2 wire)	Resolution / Bits 4096/12
Relay specification	No. of relay output	2	Relay type SPST (relay 1 NO, relay 2 NC) Contact rating 5A at 250V AC, 5A at 30V DC
RS485 specification	Type	ASCII	
CANbus specification	CAN2.0A and CAN2.0B supported		