

CAN BUS PARKING SENSOR INTERFACE

Function

The CB-P is designed to aid fitting of after-market parking radar systems by providing commonly required signals.

Feature

The CB-P features built-in diagnostic LEDs to indicate CAN Bus status and speed pulse output to aid the installation process. After power-up:

Stage 1: Both LEDs light for approx 1 second

Stage 2: Green LED on while the CB8-R listens for CAN Bus data

Stage 3: Red LED indicates CAN has been detected. CB8-R now detecting vehicle type

Stage 4: Once vehicle type is determined the Green LED should pulse when vehicle is driven. Red LED should stay on.

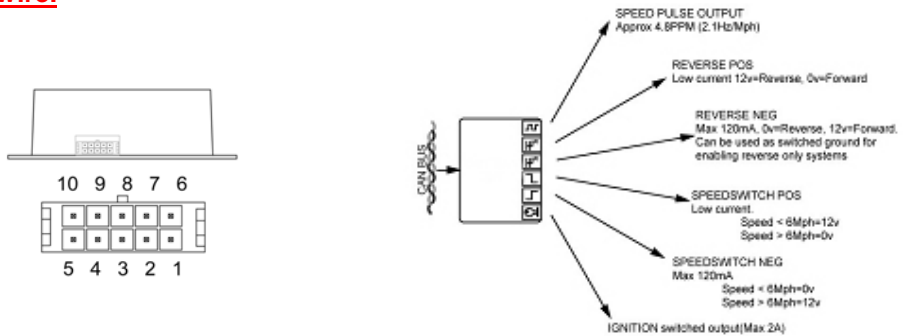
Please note: If LEDs do not follow the above sequence it is still advisable to drive the vehicle to see if a speed pulse signal is still actually being produced by the CB-P. It is possible that some vehicles will perform in a different manner.

Fitting

The CAN Bus uses two wires for data transmission. One is called CAN_HIGH and the other called CAN_LOW (sometimes marked as CAN+ and CAN- respectively). All connections should be made with an **insulated solder joint**. **Do not cut the CAN Bus wires.**

IMPORTANT As a fail-safe, an internal 3A fuse is fitted inside the CB8-R. However we recommend that a 2A fuse is fitted in the ignition output wire.

Controller Area Network (CAN)



Module Information

Module Connector for CB-P			
Pin	I/O	Function	Wire Colour
1	In	Ground	Black
2	In	CAN High	Yellow
3	Out	Speed Switch	Brown
4	Out	Reverse *	Purple
5	Out	Ignition Switched supply (Max 2A) *	Grey
6	In	+12v supply	Red
7	In	CAN Low	Blue
8	Out	Speed Switch neg (Switched ground)	White
9	Out	Reverse neg (switched ground)*	Green
10	Out	Speed Pulse	Orange

*Where available. Please note that not all vehicle CAN systems carry Ignition or Reverse information

Output specification	
Vehicle speed pulse	Approximately 7200 pulses per mile
Reverse signal	12v = Reverse, 0v = Forward
Reversed switched ground	Supplies ground feed when in reverse (see examples) Max 120mA
Speed switch output	12V below 6Mph, 0v above 6Mph
Speed switched ground	Supplies ground feed when in below 6Mph (see examples) Max 120mA
Ignition Switched Output	12v output when ignition is on. Max 2A

Inputs	
Power	+12v DC approx 30mA