

Features

- Simple connection to tractor battery
- Implement switch input
- Speed sensor input
- Partial hectare counter function
- User friendly setup of quantity to be distributes by means of a smartphone or tablet.



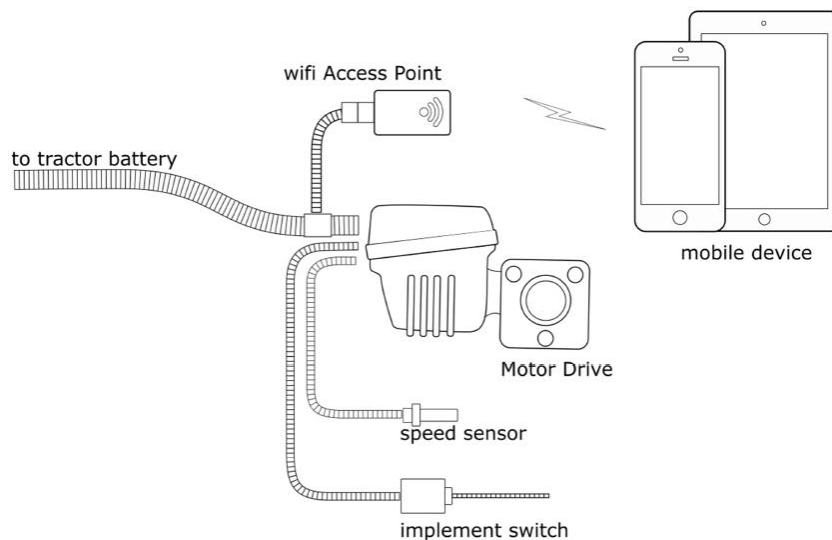
Applications

The PCS W1 Wireless controllable hopper motor kit is an application specific kit, including a rugged brushless electrical motor and easy-to-install cable harness. The motor can be used to drive a seed or a fertilizer hopper. Parameters can be easily set-up by means of a smartphone or a tablet.

Application example are:

- Actuation of seed distributor in air-drills or small grain planters
- Actuation of microgranular spreaders in spuds
- Salt, fertilizer, grain spreaders
- Transplanting machines

Connection scheme



Inputs and communication

Supply	3 pole DIN 9680 plug. (Other options upon request)
Speed sensor input	3 pin (8V – 80mA supply, GND, signal)
Implement switch input	3 pin sensor input (8V – 80mA supply, GND, signal)
WiFi module (Access Point)	Settings and work functions are accessible via a WiFi connection to the device by any browser (IOS, Android, Windows, etc.).

Motor Mechanical Specifications

Nominal Torque at output shaft	8,75Nm
Peak Torque at output shaft	19Nm (single pulse, duration 500ms) 12Nm (repetitive, duration 500ms, every 5 second)
Nominal Speed at output shaft	100 rpm

Environmental Specifications

Operational Temperature:	-10°C...+60°C (full specs) -10°C...+70°C (derated)
Storage Temperature:	-40°C...+105°C
IP grade	IP6K5 / IPX9K according to ISO-20653.
Vibrations	Sinusoidal vibration test: IEC 600-68-2-6 Random vibration test: IEC 600-68-2-64 Temperature change test: IEC 60068-2-14 Shock test: IEC 600-68-2-27

Electrical Specifications

EMC	The unit fulfills EN ISO 14982: 2000 standard (Agricultural and forestry machinery)
Supply voltage	11-16V Note: Voltage is intended at MD connector input pins. Voltage drop due to cable harness shall be taken into account.
Supply current	19 A at the following conditions Torque: Nominal Speed: Nominal Supply Voltage: Min

Disclaimer

The present specifications are intended to be preliminary. Parameters and values indicated in the document might be subjected to changes. For further information, please contact: comm@roj.com