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.

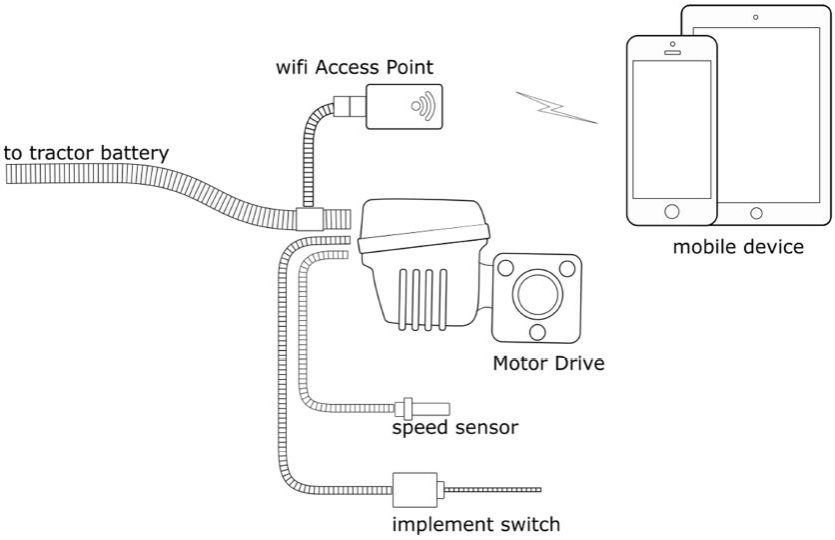
Applications

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 s smartphone or a tablet.

Application example are:

- Actuation of seed distributor in air-drills or small grain planters
- Actuation of microganular 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).

ROJ Srl, Via Vercellone, 11
13900 Biella - Italy
Tel. : +39 015 8480111
Fax : +39 015 8480209
E-mail : comm@roj.com
Internet: www.roj.com

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: Random vibration test: Temperature change test: Shock test:	IEC 600-68-2-6 IEC 600-68-2-64 IEC 60068-2-14 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