

PWM15-2

Forage Additive Applicator Control Box



User Guide

PWM12-2 In-cab speed controller (control box)

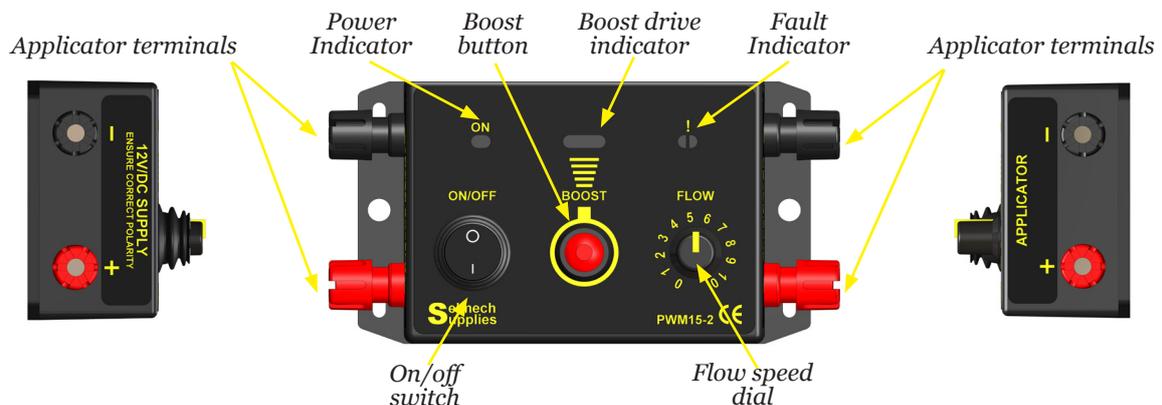
Use the flow speed dial to adjust and set the application rate. If there is extra heavy crop or an area of crop that has a higher moisture content the boost button can be pressed and released to run the motor at full speed for 10 seconds. The Boost indicator will illuminate when in this mode. To stop boost sooner press the button again. This can be repeated as often as required.

The “!” fault indicator warns of a power supply problem (refer to Fault Diagnosis).

Connect the control box directly to a fused 12-volt DC supply via the red and black terminals marked “12V/DC SUPPLY”.

Connect the applicator directly to the terminals marked “APPLICATOR”. **!Always ensure correct polarity before turning the control box on.**

DO NOT connect the two negative terminals together. DO NOT connect the applicator negative to the ground of the tractor



Connecting the controller

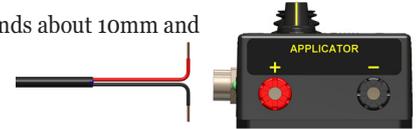
When making connections to the control box:-

!Make sure of correct polarity as damage to the control box and or applicator will occur if this is not correct, Make sure that the bare wires of the cable do not touch the case of the control box.

Connecting to the Applicator

1. If using a new cable carefully strip the cable sleeve back 50mm to leave RED and BLACK tails. Strip the ends about 10mm and twist the bare ends.
2. Connect these bare ends RED + and BLACK - to the "APPLICATOR" terminals on the control box.

Make sure that the bare wires of the cable do not touch the case of the control box.



Connecting to the "12V/DC SUPPLY"

3. If using a new cable repeat step 1 for this cable.
4. Connect the bare ends RED + and BLACK - from supply to the "12V/DC SUPPLY" side terminals of the control box.
5. Connect to your fused 12 volt DC supply. If using a "D" plug check the polarity is correct in this RED + and BLACK -.

!The connection to your supply should be secure and clean and the correct polarity.

DO NOT connect the two negative terminals together.

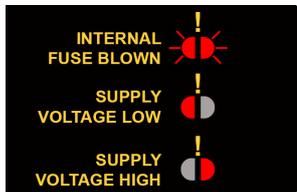
DO NOT connect the pump negative to the ground of the tractor

Doing so will prevent the applicator operating correctly



Fault Diagnosis

The control box fault indicator will alert you if there is a problem with the supply or if the internal fuse is blown.



If the internal fuse has blown check for reasons why this may have happened before replacing and turning the control box on. **!Never use a higher rated fuse than 15 Amps.**

If the supply voltage is low check your supply and all connections. **! This could be caused by inadequate cable or poor connections.**

If the supply voltage is high. **! This could be caused by faulty tractor regulator or unregulated power supply.**

The thru beam crop detector (Optional extra)

The thru beam detector kit is designed to be used in conjunction with a Selmech Supplies in cab speed controller that is fitted with a 4 pin socket between the supply and applicator connectors.

When connected it will automatically turn the applicator on when crop is detected by breaking the beam at the point of pick-up. When there is no crop (beam not broken) the applicator will be turned off.

There is an LED lamp, that displays green, or red this will show if there is crop or no crop. If there is no crop detector kit plugged in the lamp will not be

Crop detector status LED lamp



When the LED lamp is RED - NO CROP is being detected and the applicator will not dispense additive.

When the LED lamp is GREEN - CROP is being detected and the applicator will dispense additive.

If no crop detector kit is plugged the LED lamp will not be illuminated and the control box will work normally.

If crop is present but the LED lamp is RED check all connections and for any damage to cables or the sensors.

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