**Page 2:**

- 834 AB – Quick info (specifications, features, etc)
- Symbols legend

Page 3:

- Powering on/off
- Selecting Working Displays
- Programming steps
- Alarms

Page 4:

- Speed Sensor Calibration Procedure
- Adjusting Pressure Transducer High Rating

Page 5:

- Programming section flow-rate reference pressure
- Programming and selecting up to 6 tree swath width presets

834 AB – quick info:

- ◆ power supply: +12V (min 8V)
- ◆ 2 boom switches (left / right)
- ◆ master switch



- ◆ **Inputs:**
 - ✓ pressure sensor
 - ✓ speed sensor - accepts both magnetic pick-up sensor and radar

- ◆ **Outputs:**
 - ✓ regulating valve (PWM)
 - ✓ master valve (on: **+12V** /off: open circuit)
 - ✓ 2 boom valves (on: **+12V**/off : open circuit)

- ◆ **Alarms:**
 - See page 3
 - ✓ no pressure
 - ✓ no speed
 - ✓ actual rate can't reach target rate

- ◆ **Features:**
 - ✓ 6 tree swath width presets – selectable “on the go”
 - ✓ simulated speed (6Kmh) feature (enter “0” for speed sensor Cal. NR.)
 - ✓ changing target “on the go”
 - ✓ user programmable pressure sensor maximum rating (see page 4)
 - ✓ user programmable reference pressure (see page 5)
 - ✓ auto power-off (after 10 min. of no operating, if master switch is off)

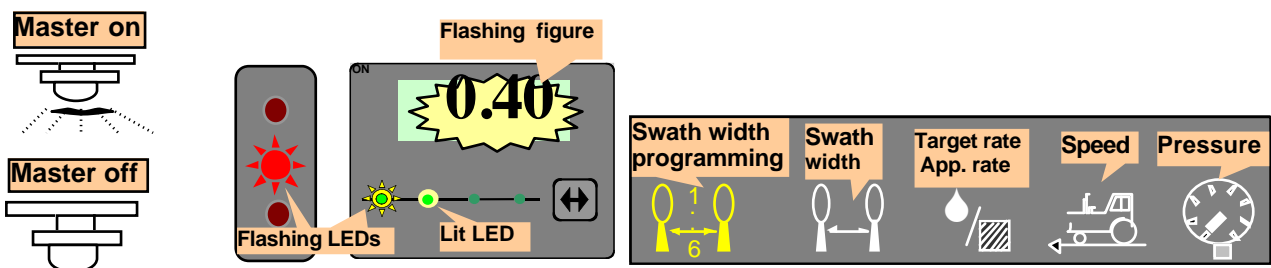
- ◆ **Working displays:**
 - See page 3

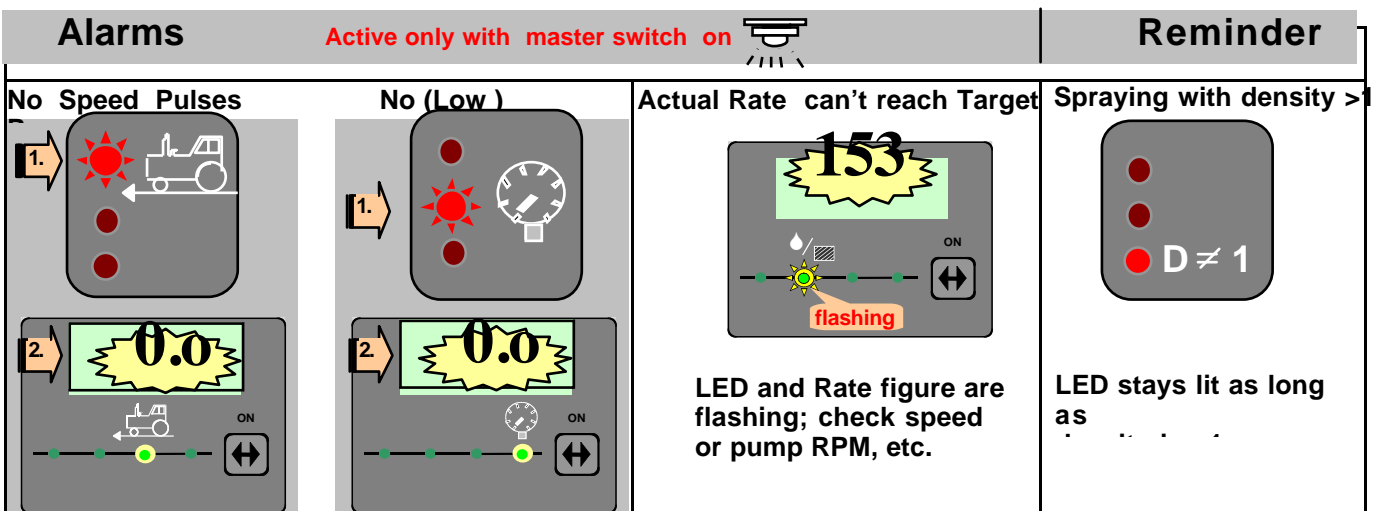
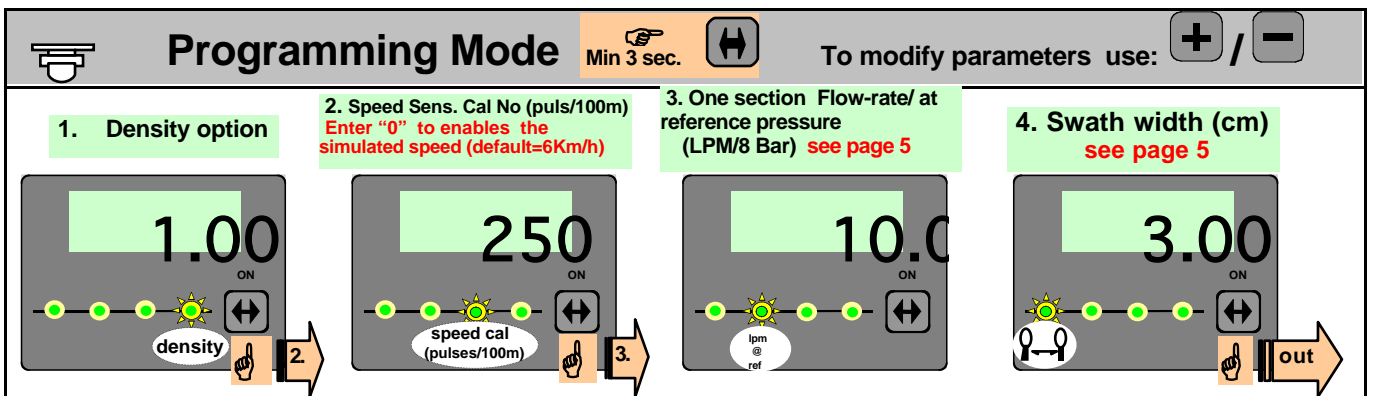
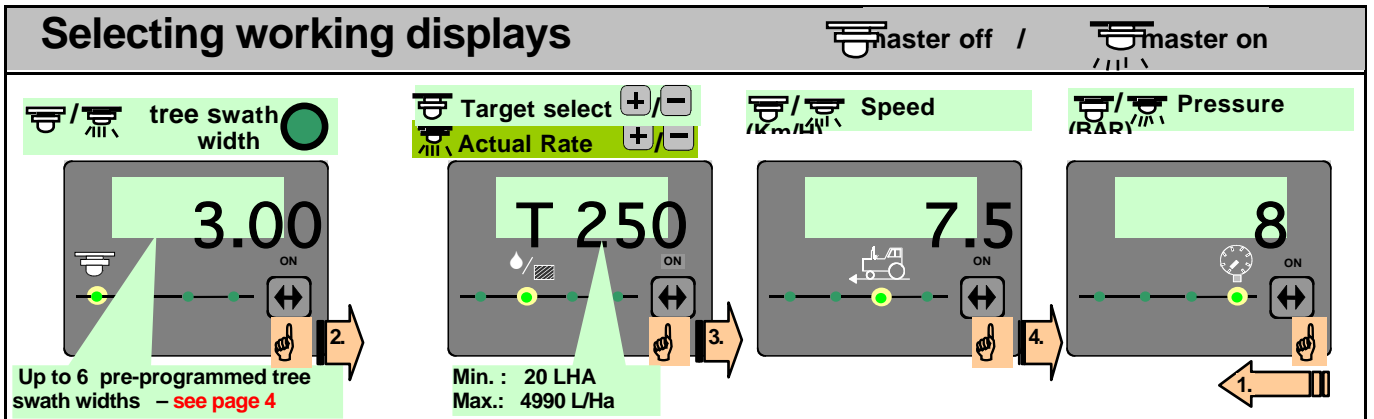
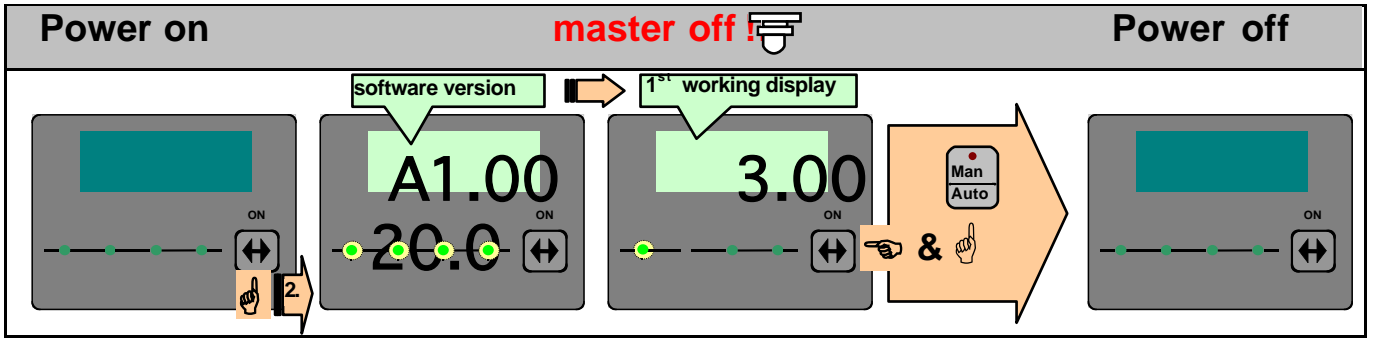
<ul style="list-style-type: none"> ✓ Swath width selection ✓ Target rate ✓ Speed ✓ Pressure <div style="text-align: right; margin-top: 5px;"> Master off  </div>	<ul style="list-style-type: none"> ✓ Selected swath width ✓ Application rate ✓ Speed ✓ Pressure <div style="text-align: right; margin-top: 5px;"> Master on  </div>
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Note: target rate can be selected in steps of 5 LHa below 500LHa and in steps of 10LHa above 500LHa

- ◆ **Programming steps:**
 - See page 3
 - ✓ Density
 - ✓ Speed sensor Calibration Number
 - ✓ **Flow-rate** (def.: 10.0 LPM) / **section @ ref. pres.** (def.: 8 Bar)
 - ✓ Swath width (6 presets – use green button to toggle)

Symbols legend:

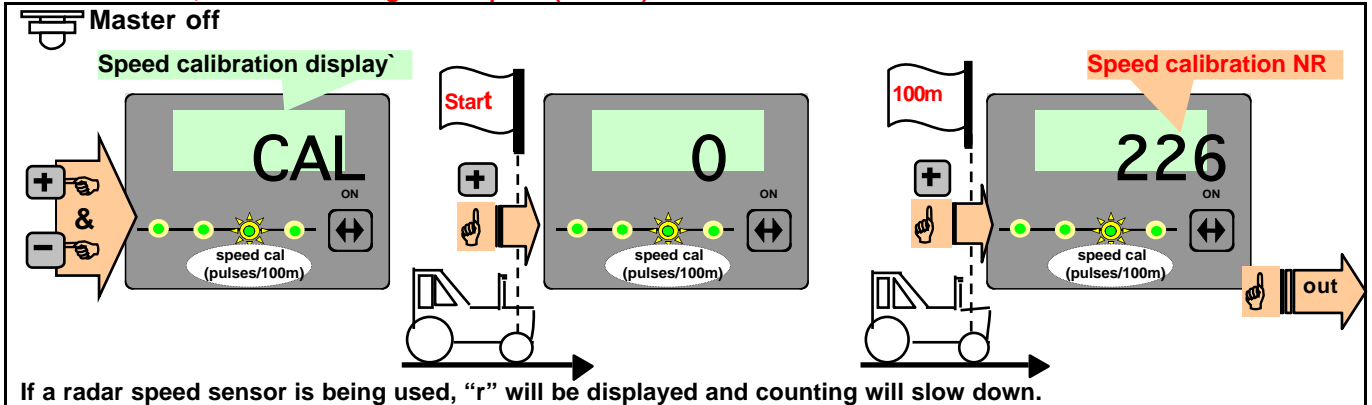




Speed Sensor calibration procedure

Calibration is based upon counting pulses generated by the speed sensor while driving 100 m .

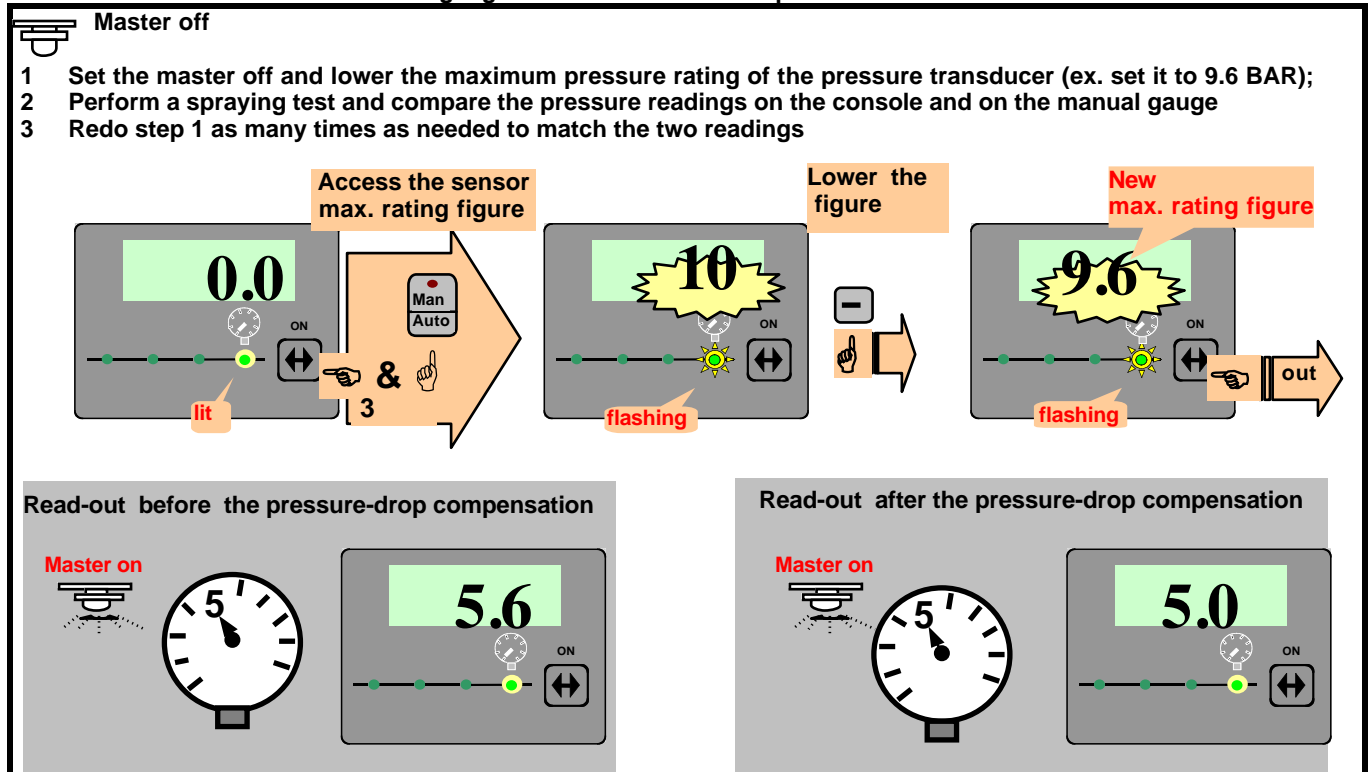
1. Position the sprayer before the start sign; **enter the Programming mode – step 2 (default value 250 is displayed)** and simultaneously depress **+** and **-** keys to activate the **Speed Calibration Display**
2. Start driving and depress **+** key exactly when passing the 100 m start sign; console will start counting pulses generated by the speed sensor.
3. Depress **+** key exactly when passing the 100 m end sign; console displays the Speed Calibration NR.
If 0 is selected, the simulated ground speed (6 Km/h) feature is enabled



Note: speed sensor calibration should be repeated if changing to another wheel diameter or changing pressure in tires.

Adjusting the Pressure Sensor Maximum rating

834 Console has factory settings for a 4- 20mA / 10 BAR pressure sensor; however, it is possible following the procedure bellow, to adjust the maximum pressure rating in order to compensate the pressure-drop in the system and match the read-out on a manual gauge installed close to the tips.



Re-programming the flow-rate reference pressure

