

POMI WRAP 200



Operating menu and user menus:

Operating menu shows e.g. [26:11:24]

On the left side the present rpm for the wrap arm is displayed.[26]

In the middle the present qty. of wrap rounds counted, are displayed.[11]

On the right side, the desired wrap rounds are displayed.[24]

By using the "DOWN ARROW" or "UP ARROW" keys you can toggle between the following user menus:

- Bale-trip menu

- Bale-total menu

- Supply voltage display menu

When pushing on "ESC/RESET" the display will return to the operating menu.

Bale counter:

There is both a bale total counter and a bale trip counter. The bale trip counter is reset by pressing "ENTER" for 2 seconds in the trip counter menu. The bale total counter can only be reset by initializing the controller to the factory settings (code 81).

Changing of the desired rpm for the wrap arm:

Push the "ARROW UP" in 2 sec. then from operating menu rpm can be changed for the wrap arm. This can be done by the arrow keys and then afterwards confirm with the "ENTER" button. If the present value is not to be changed, then leave the menu with "ESC/RESET".

Changing of the desired rounds of the wrap arm:

By pressing "ENTER" for 2 seconds from the operating menu, the desired number of wrap rounds can be changed. This is done with the arrow keys and subsequent acceptance with "ENTER". If the value is not to be changed, exit the menu with "ESC/RESET".

Changing of parameters by codes:

When pushing "ENTER" and "ARROW DOWN" in 2 sec the code menu will be displayed.

Code 1 = Test menu for test of hardware. See the section of troubleshooting.

Code 2 = t1. acceleration time for wrap arm.

t2. deceleration time for wrap arm.

h1. pwm value for low speed (control changes it itself if necessary).

h2. pwm value for high speed (the control changes it itself if necessary).

P1. min pwm value for wraparm. (the value that just makes the wraparm turn. The value can be found in code 1 and then the pwm test menu)

P2. max pwm value for wraparm. (the value that just makes wraparm run at full speed. The value can be found in code 1 and then the pwm test menu)

Code 3 = gas time in sec gassing of engine runs before wraparm starts.

Gas. time in sec degassing of engine running after wraparm is finished.

Code 4 = test menu that shows the current rpm for the wraparm (left side in display) and the pwm value (right side in display).

Code 5 = entering the low rpm wraparm must drive along when parking.

Code 6 = number of pulses in one revolution for the rpm sensor.

Code 7 = number of rounds before the wrap cycle is over before going down to low rpm.

Code 8 = number of missing pulses on film break input before film break.

Code 15 = regulation menu with encoding of update time for regulator. (tr)

regulation menu with coding of how large a fluctuation in rpm before switching to a high regulation parameter. (hr)

Code 81 = total reset of control to factory settings (also bale total counter)

When starting the controller:

The control will adjust itself to the desired rpm. If the encoded values "h1" and "h2" are way out to each other, it may take a few balls before it has found its values.

This can be remedied by manually driving the wrap arm at low speed until 2 beeps are heard and then manually driving at high speed a few times.

Start of wrapping:

By pressing "AUTO START" the wrapping will begin. It is ramped up to high speed in time "t1" and the desired number of laps is driven and then ramped down to low speed in time "t2" and stopped when the parking sensor becomes active.

Stop of wrapping:

Pressing "STOP" will stop the wrapping. It is ramped down to 0 in time "t2".

Manual activation of wrap arm at high speed:

By pressing the key with circle and arrow at the bottom of the monitor, the wrap arm will run at high speed.

Manual activation of wrap arm at low speed:

By pressing the circle and arrow key at the top of the monitor, the wrap arm will run at low speed. The unit will always drive on until the wrap arm is on the parking sensor.

By continuously pressing this key, the control will calibrate its values to low speed, when this is done 2 beeps are given

Reset of controller:

Pressing the "ESC/RESET" key for 4 seconds resets the machine.

Reset: wraparm is moved to position, counted wrap layers are reset. Ready for a new bale!

Film Break deactivation:

If the film break sensor is not used, the film break sensor input (wire no. 20) is connected to the parking sensor (wire no. 8).

Troubleshooting:

All troubleshooting starts with Code 1 in the test menu.

It is verified that all sensors/inputs activate the correct segment in the [tst.3] menu.

The middle horizontal segment is always on.

Parking sensor = upper horizontal segment.

Film break sensor = lower horizontal segment.

Wrapping sensor = upper to the right vertical segment.

Input for remote controle = lower to the right segment.

It must be verified that all relay outputs can be activated in the [out.Ent] menu.

It must be verified that the pwm output can be activated in the [puunn] menu.

Verify that there is enough supply voltage to the system during operation. (above 12v).

It is verified that the monitor's keys can activate segments in the [tst.1] menu.

Testing the machine: If the machine stops after a few rounds and gives 10 beeps, it is the film break alarm. If not running with a film break sensor, do as in the tab. "Film Break deactivation".

If the monitor restarts when you press autostart or otherwise activate the outputs, it is typically a problem with bad connections or too thin cables for the battery supply.

Troubleshooting of the remote control:

Typical errors are that the battery must be changed. When pressing the remote control, the LED must flash clearly. Poor range and dim light in the diode in the remote control are signs that the battery needs to be replaced.

The remote control is of the RF type. This type must be synchronized with the receiver for the remote control, i.e. a remote control from a corresponding machine cannot be used if it is not synchronized with the receiver. In order to synchronize, the cover in the receiver is removed by removing the four screws. Then press briefly on the small switch in the receiver and then on one of the keys on the remote control. The pressure on the remote control must come within approx. 2 seconds after pressing the switch in the receiver.

It is possible to synchronize several remote controls to the same receiver.

Notice! If you hold the contact down for approx. 10 seconds in the receiver, all stored remote controls are deleted.

The receiver can be supplied with 2 types of cable and the cable assembly is as follows:

If wire is of the type (Brown, Blue, Yellow/Green): Brown=12V, Blue = 0V, Yellow/Green = signal.

If the wire is of the type (no. 1, no. 2, Yellow/Green): No. 2. = 12V, No. 1. = 0V, Yellow/Green = signal.