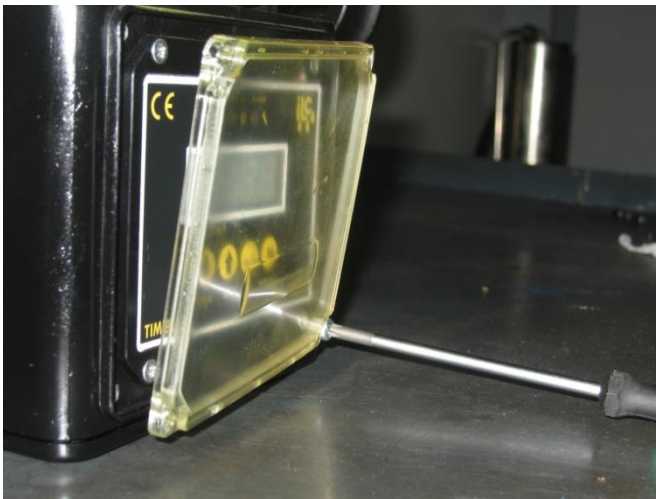
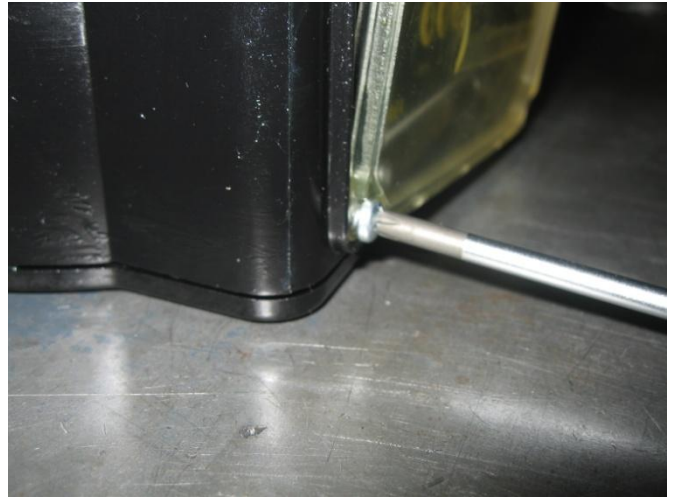
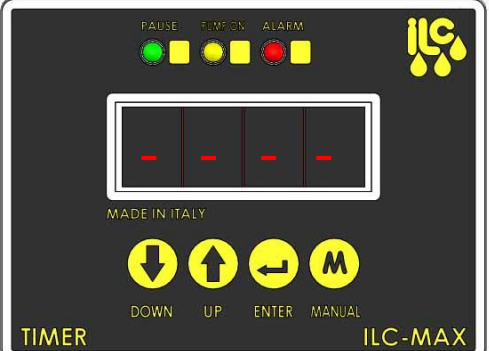







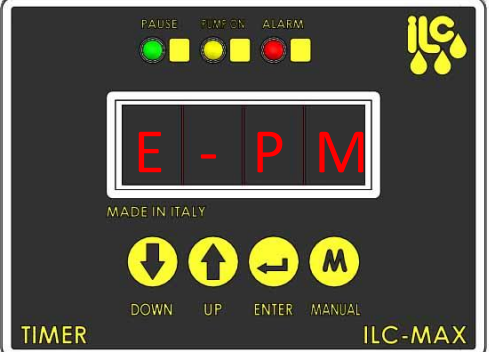










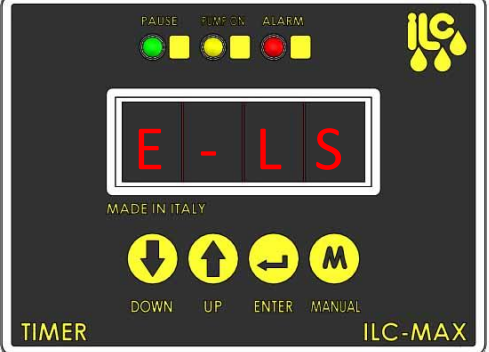






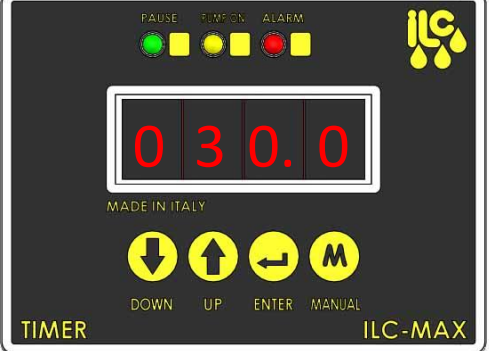


TIMER ADJUSTEMENT

Remove transparent cover unscrewing 4 screws to access timer as shown in the following pictures.



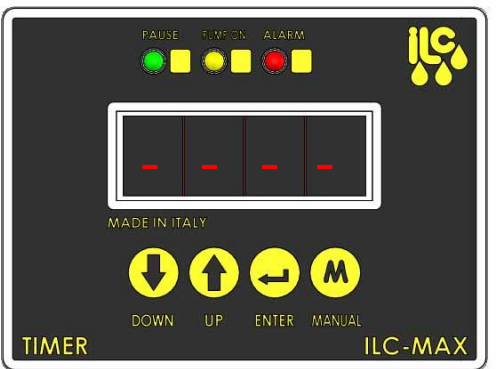
TIMER ADJUSTEMENT
Basic settings

<p>When powered, timer runs a lamp test while displays [8.8.8.8]. Then is displayed installed software version [ex. 03.10] and, after shown model [ILC.M] and about 1 second of pause [----], timer runs PAUSE-WORK run mode (you can have either one of the two phases, depending on stop during the testing); other functions will be off (0). Default settings: Pause 2 minutes, Work 30 seconds. These are minimum setting for PAUSE-WORK cycle.</p>	 <p>The image shows the timer control panel with the display showing '8.8.8.8'. Above the display are three indicator lights labeled PAUSE (green), PUMP ON (yellow), and ALARM (red). Below the display are four buttons: DOWN, UP, ENTER, and MANUAL. The text 'TIMER' is on the left and 'ILC-MAX' is on the right.</p>
<p>To set Pause and Work, press  for at least 3 seconds. In this way, you will run edit mode and will be displayed [E-CM]. Press 1 time  to position [E-FU] to select functioning mode: PL -> Pause-Work [PL-P e PL-L] IL -> Pulse-Work [IL-P e IL-L] PC -> Pause-Rotations [PC-P e PC-L] IC -> Pulse-Rotations [IC-P e IC-L] If, for example, has been chosen [F-PL], press 1 time  to position [E-PM] and press . To set Pause time (minutes) use arrows  and . Once Pause minutes are regulated, press  to come back to the previous menu.</p>	 <p>The image shows the timer control panel with the display showing 'E-PM'. The layout is identical to the previous image, with indicator lights and control buttons.</p>
<p>In the menu, by pressing  will be displayed [E-PH], setting of Pause time (hours). Press  and set Pause time (hours) by using arrows  and . Once Pause hours are regulated, press  to come back to the previous menu. To set Working time (seconds), press . Will be displayed [E-LS]. Press  and set Working time (seconds) by using arrows  and . Once Working seconds are regulated, press  to come back to the previous menu.</p>	 <p>The image shows the timer control panel with the display showing 'E-LS'. The layout is identical to the previous images.</p>
<p>By pressing  will be displayed Working time (minutes) [E-LM]. Press  and set Working time (minutes) by using arrows  and . Once Working minutes are regulated, press  to come back to the previous menu. In this moment timer is setted following your own needs. Press  for at least 3 seconds to go out edit mode and come back to run mode. Time is operating, and will be displayed PAUSE-WORK cycle.</p>	 <p>The image shows the timer control panel with the display showing '030.0'. The layout is identical to the previous images.</p>

If timer doesn't receive input for 2 minutes, the display will shut off to save energy. To light the display on again press .

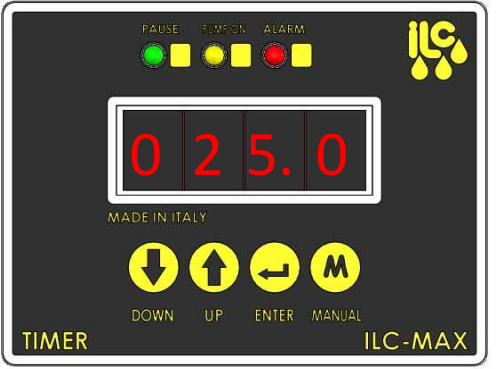
TIMER ADJUSTEMENT
Advanced settings

When powered, timer runs a lamp test while displays [8.8.8.8]. Then is displayed installed software version [ex. 03.10] and, after shown model [ILC.M] and about 1 second of pause [---], timer runs **PAUSE-WORK run mode** (you can have either one of the two phases, depending on stop during the testing); other functions will be off (0).
 Default settings: Pause 2 minutes, Work 30 seconds.
 These are minimum setting for PAUSE-WORK cycle.




- RUN MODE -

Timer two different mode: **run mode** and **edit mode**. In **RUN MODE** timer has 4 functioning modes:
PL -> Pause-Work [PL-P e PL-L]
IL -> Pulse-Work [IL-P e IL-L]
PC -> Pause-Rotations [PC-P e PC-L]
IC -> Pulse-Rotations [IC-P e IC-L]



FUN.	PAUSE RANGE	WORKING RANGE
PL	002M-999M minutes	030S-999S seconds
	000H-999H hours Minimum pause time: 2 min Total time will be the sum of hours and minutes	000M-999M minutes Minimum working time: 30 sec Total time will be the sum of minutes and seconds
IL	2-9999 pulses	030S-999S seconds 000M-999M minutes Minimum working time: 30 sec Total time will be the sum of minutes and seconds
PC	002M-999M minutes 000H-999H hours Minimum pause time: 2 min Total time will be the sum of hours and minutes	9-999 ropes
IC	2-9999 pulses	9-999 ropes

Scrolling the **main menu** with  will be displayed:
 [025.0] operating state (ex. remain 25 sec of work)
 [P24.0] timer tension supply (ex. 24V)
 [H35.0] internal timer temperature (ex. 35°C)
 [PL-L] functioning mode (ex. working in pause-work)
 [F-00] allarm (ex. no alarm)



OPERATING STATE

[042M] in PL-L mode it is remaining working time in minutes (ex. 42 min). Without M letter number states remaining seconds (during the last minute will be displayed 052.0 = 52 sec)

[035H] in PL-P mode it is remaining pause time in hours (ex. 35 hours). During last hour will be displayed minutes and during last minute will be displayed seconds

[054M] in IL-L mode it is remaining working time in minutes. during the last minute will be displayed seconds

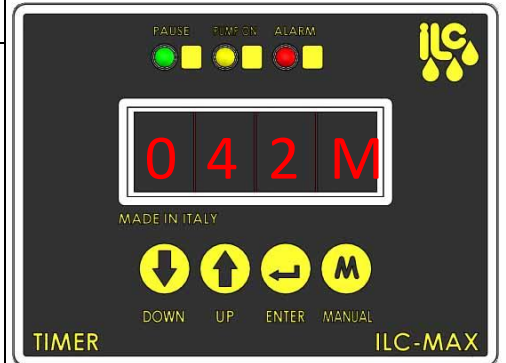
[1234] in IL-P mode it is number of remaining external pulses to switch to work (ex. 1234 pulses)

[-036] in PC-L mode it is number of remaining ropes (ex. 36 ropes)

[041H] in PC-P mode it is remaining pause time in hours.. During last hour will be displayed minutes and during last minute will be displayed seconds

[-011] in IC-L mode it is number of remaining ropes

[1234] in IC-P mode it is number of remaining external pulses to switch to work





ALARMS

- [F-00] no alarm
- [1.1AC] cycle alarm
- [1.1AP] overpressure alarm
- [1.1AL] low level alarm
- [1.1AM] rotation alarm
- [1.1AH] high temperature alarm
- [1.1AU] low tension alarm
- [1.1AS] status driver alarm



- EDIT MODE -

Edit mode allows to modify control parameters. In run mode press  for at least 3 seconds to switch to edit mode (run mode will be stopped). To scroll in the main menu use .

[E-CM] Menu Version (timer is default supplied in base mode)

[E-FU] Functioning mode

[E-PM] Pause time in min *

[E-PH] Pause time in hours *

[E-LM] Working time in min *

[E-LS] Working time in sec *

[E-IP] Number of pause pulses *

[E-CL] Number of ropes *

[E-AE] Reset or Extra cycle

[E-PL] Pre Lube

[E-AC] Cycle Alarm

[E-AP] Overpressure Alarm

[E-AL] Low level Alarm

[E-AM] Rotation Alarm

[E-AH] Temperature Alarm

[E-AU] Low tension Alarm

[E-AS] Status driver Alarm

* Parameters with asterisk are not all in the Main Menu. They will be displayed depending on Functioning Mode (default FUPL)





Ex.:

[E-PM] Pause time in min

[E-PH] Pause time in hours

[E-LM] Working time in min

[E-LS] Working time in sec

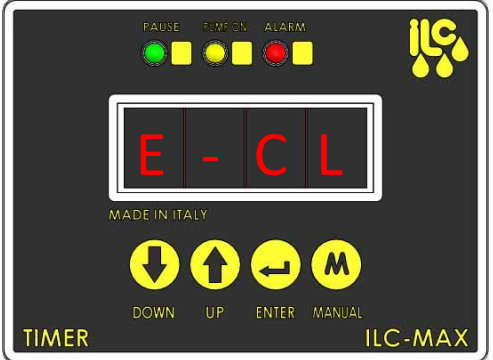
Timer is default supplied with all functions [0 = disabled]. To modify a parameter select it, press  and use  and . Once the parameter is modified, press  to come back to the Main Menu.

When in **edit mode**, if no button is pushed for 2 minutes, timer will come back to run mode without saving changes.

To save changes and come back to **run mode** push button  for 3 seconds.




<p>To enter Complete Menu select (E-CM), press (M) and use (↓) or (↑) to select (CM-F). Press (M) to confirm.</p> <p>CM-B –Base Menu: it will be possible to choose only the Functioning Mode and regulate parameters (pause– work) CM-F –Complete Menu: it will be possible to activate all timer functions, with alarms e prelude</p>	<p>[E-CM] Menu Version [E-FU] Functioning mode [E-PM] Pause in min [E-PH] Pause in hours [E-LM] Work in min [E-LS] Work in sec [E-IP] Pause pulses [E-CL] Ropes of work [E-AE] Reset [E-PL] Pre Lube [E-AC] Cycle Alarm [E-AP] Overpressure Alarm [E-AL] Level Alarm [E-AM] Rope Alarm [E-AH] Temperature Alarm [E-AU] Low tension Alarm [E-AS] Driver Alarm</p>	 <p>The control panel shows the menu 'CM - F' on the display. Above the display are three indicator lights: PAUSE (green), FUNCTION (yellow), and ALARM (red). Below the display are four buttons: DOWN (arrow down), UP (arrow up), ENTER (arrow right), and MANUAL (M). The text 'MADE IN ITALY' and 'ILC-MAX' are visible on the panel.</p>
<p>To enter in functioning mode select E-FU, press (M) and use (↓) or (↑)</p> <p>FU.PL –pause and working time intervals FU.IL –work is a time interval, pause is an external pulses counting FU.PC –working time is number of ropes, pause is a time interval FU.IC – working time is number of ropes, pause is an external pulses counting</p> <p>When functioning mode is selected, press (M) to confirm.</p>	<p>[E-CM] Menu Version [E-FU] Functioning mode [E-PM] Pause in min [E-PH] Pause in hours [E-LM] Work in min [E-LS] Work in sec [E-IP] Pause pulses [E-CL] Ropes of work [E-AE] Reset [E-PL] Pre Lube [E-AC] Cycle Alarm [E-AP] Overpressure Alarm [E-AL] Level Alarm [E-AM] Rope Alarm [E-AH] Temperature Alarm [E-AU] Low tension Alarm [E-AS] Driver Alarm</p>	 <p>The control panel shows the menu 'E - FU' on the display. Above the display are three indicator lights: PAUSE (green), FUNCTION (yellow), and ALARM (red). Below the display are four buttons: DOWN (arrow down), UP (arrow up), ENTER (arrow right), and MANUAL (M). The text 'MADE IN ITALY' and 'ILC-MAX' are visible on the panel.</p>
<p>Functioning mode FU.PL E-PM PAUSE TIME IN MIN E-PH PAUSE TIME IN ORE</p> <p>Changing these parameters will change pause time. Select voice to modify, press (M) and use (↓) or (↑) to decrease or increase the displayed value. At the end, confirm by pressing (M)</p> <p>Repeat these operations for:</p> <p>E-LS WORKIN TIME IN SEC E-LM WORKING TIME IN MIN Changing these parameters will change working time.</p>	<p>[E-CM] Menu Version [E-FU] Functioning mode [E-PM] Pause in min [E-PH] Pause in hours [E-LM] Work in min [E-LS] Work in sec [E-AE] Reset [E-PL] Pre Lube [E-AC] Cycle Alarm [E-AP] Overpressure Alarm [E-AL] Level Alarm [E-AM] Rope Alarm [E-AH] Temperature Alarm [E-AU] Low tension Alarm [E-AS] Driver Alarm</p>	 <p>The control panel shows the menu 'E - P M' on the display. Above the display are three indicator lights: PAUSE (green), FUNCTION (yellow), and ALARM (red). Below the display are four buttons: DOWN (arrow down), UP (arrow up), ENTER (arrow right), and MANUAL (M). The text 'MADE IN ITALY' and 'ILC-MAX' are visible on the panel.</p>
<p>Functioning mode FU.IL</p>	<p>[E-CM] Menu Version</p>	 <p>The control panel shows a blank display. Above the display are three indicator lights: PAUSE (green), FUNCTION (yellow), and ALARM (red). Below the display are four buttons: DOWN (arrow down), UP (arrow up), ENTER (arrow right), and MANUAL (M). The text 'MADE IN ITALY' and 'ILC-MAX' are visible on the panel.</p>




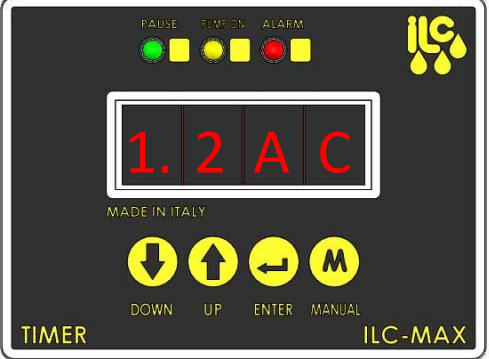
<p>E-LS WORKIN TIME IN SEC E-LM WORKING TIME IN MIN</p> <p>Changing these parameters will change working time. Select voice to modify, press M and use ↓ or ↑ to decrease or increase the displayed value. At the end, confirm by pressing M Repeat these operations for:</p> <p>E-IP NUMBER OF PAUSE PULSES</p> <p>Changing these parameters will change pump pause.</p>	<p>[E-FU] Functioning mode [E-LM] Work in min [E-LS] Work in sec [E-IP] Pause pulses [E-AE] Reset [E-PL] Pre Lube [E-AC] Cycle Alarm [E-AP] Overpressure Alarm [E-AL] Level Alarm [E-AM] Rope Alarm [E-AH] Temperature Alarm [E-AU] Low tension Alarm [E-AS] Driver Alarm</p>	
<p>Functioning mode FU.PC</p> <p>E-PM PAUSE TIME IN MIN E-PH PAUSE TIME IN ORE</p> <p>Changing these parameters will change pause time. Select voice to modify, press M and use ↓ or ↑ to decrease or increase the displayed value. At the end, confirm by pressing M Repeat these operations for:</p> <p>E-CL NUMBER OF ROPES</p> <p>Changing these parameters will change pump work.</p>	<p>[E-CM] Menu Version [E-FU] Functioning mode [E-PM] Pause in min [E-PH] Pause in hours [E-CL] Ropes of work [E-AE] Reset [E-PL] Pre Lube [E-AC] Cycle Alarm [E-AP] Overpressure Alarm [E-AL] Level Alarm [E-AM] Rope Alarm [E-AH] Temperature Alarm [E-AU] Low tension Alarm [E-AS] Driver Alarm</p>	
<p>Functioning mode FU.IC</p> <p>E-IP NUMBER OF PAUSE PULSES</p> <p>Changing these parameters will change pump pause. Select voice to modify, press M and use ↓ or ↑ to decrease or increase the displayed value. At the end, confirm by pressing M Repeat these operations for:</p> <p>E-CL NUMBER OF ROPES</p> <p>Changing these parameters will change pump work.</p>	<p>[E-CM] Menu Version [E-FU] Functioning mode [E-IP] Pause pulses [E-CL] Ropes of work [E-AE] Reset [E-PL] Pre Lube [E-AC] Cycle Alarm [E-AP] Overpressure Alarm [E-AL] Level Alarm [E-AM] Rope Alarm [E-AH] Temperature Alarm [E-AU] Low tension Alarm [E-AS] Driver Alarm</p>	

<p>Enable or disable RESET/EXTRA CYCLE function selecting E-AE, pressing  and use  or . At the end, confirm by pressing </p> <p>(AE-0) = Off (AE-1) = On</p> <p>Timer has connections to remote push button/reset function made by button  in run mode. When enabled (AE-1) every time you push the button you will reset alarm signals and restart the work. If there's a button short circuit will be displayed alarm [1.1AE] without consequences.</p>	<p>[E-CM] Menu Version [E-FU] Functioning mode [E-PM] Pause in min [E-PH] Pause in hours [E-LM] Work in min [E-LS] Work in sec [E-IP] Pause pulses [E-CL] Ropes of work [E-AE] Reset [E-PL] Pre Lube [E-AC] Cycle Alarm [E-AP] Overpressure Alarm [E-AL] Level Alarm [E-AM] Rope Alarm [E-AH] Temperature Alarm [E-AU] Low tension Alarm [E-AS] Driver Alarm</p>	
<p>Enable or disable PRELUBE selecting E-PL, pressing  and use  or . At the end, confirm by pressing </p> <p>(PL-0) = Off (PL-1) = On</p> <p>When enabled (PL-1), every time the timer is powered it will start with working time.</p>	<p>[E-CM] Menu Version [E-FU] Functioning mode [E-PM] Pause in min [E-PH] Pause in hours [E-LM] Work in min [E-LS] Work in sec [E-IP] Pause pulses [E-CL] Ropes of work [E-AE] Reset [E-PL] Pre Lube [E-AC] Cycle Alarm [E-AP] Overpressure Alarm [E-AL] Level Alarm [E-AM] Rope Alarm [E-AH] Temperature Alarm [E-AU] Low tension Alarm [E-AS] Driver Alarm</p>	
<p>Enable or disable CYCLE ALARM selecting E-AC, pressing  and use  or . At the end, confirm by pressing </p> <p>(AC-0) = Off (AC-1) = On</p> <p>When enabled (AC-1), you can check the work of a progressive system linked to the pump and complete of micro switch. If there's an alarm, you will see red led  lamping and displayed:[1.1AC] pumps will do 3 immediate and consecutive cycles of work. After the third cycle, if alarm persists, pump will stop working.</p>	<p>[E-CM] Menu Version [E-FU] Functioning mode [E-PM] Pause in min [E-PH] Pause in hours [E-LM] Work in min [E-LS] Work in sec [E-IP] Pause pulses [E-CL] Ropes of work [E-AE] Reset [E-PL] Pre Lube [E-AC] Cycle Alarm [E-AP] Overpressure Alarm [E-AL] Level Alarm [E-AM] Rope Alarm [E-AH] Temperature Alarm [E-AU] Low tension Alarm [E-AS] Driver Alarm</p>	 <p> CYCLE ALARM CANNOT BE ENABLED TOGETHER WITH OVERPRESSURE ALARM: THEY WILL EXCLUDE EACH OTHER.</p>

<p>Enable or disable OVERPRESSURE ALARM selecting E-AP, pressing M and use ↓ or ↑. At the end, confirm by pressing M</p> <p>(AP-0) = Off (AP-1) = On</p> <p>When enabled (AP-1), you can check maximum pressure of the pump. If the pressure is over the established value will be displayed: [1.1AP] and pump will stop working.</p>	<p>[E-CM] Menu Version [E-FU] Functioning mode [E-PM] Pause in min [E-PH] Pause in hours [E-LM] Work in min [E-LS] Work in sec [E-IP] Pause pulses [E-CL] Ropes of work [E-AE] Reset [E-PL] Pre Lube [E-AC] Cycle Alarm [E-AP] Overpress. Alarm [E-AL] Level Alarm [E-AM] Rope Alarm [E-AH] Temperature Alarm [E-AU] Low tension Alarm [E-AS] Driver Alarm</p>	 <p>The control panel shows the display 'E - A P'. At the top, there are three indicator lights: PAUSE (green), PUMP ON (yellow), and ALARM (red). Below the display, it says 'MADE IN ITALY'. At the bottom, there are four buttons: DOWN (with a downward arrow), UP (with an upward arrow), ENTER (with a rightward arrow), and MANUAL (with an 'M'). The words 'TIMER' and 'ILC-MAX' are visible at the bottom corners.</p>
<p>Enable or disable LOW LEVEL ALARM selecting E-AL, pressing M and use ↓ or ↑. At the end, confirm by pressing M</p> <p>(AL-0) = Off (AL-1) = On</p> <p>When enabled (AL-1), if sensor send a low level lubricant signal, timer will display: [1.1AL] while red led  will lamp. This alarm doesn't stop the pump.</p>	<p>[E-CM] Menu Version [E-FU] Functioning mode [E-PM] Pause in min [E-PH] Pause in hours [E-LM] Work in min [E-LS] Work in sec [E-IP] Pause pulses [E-CL] Ropes of work [E-AE] Reset [E-PL] Pre Lube [E-AC] Cycle Alarm [E-AL] Level Alarm [E-AM] Rope Alarm [E-AH] Temperature Alarm [E-AU] Low tension Alarm [E-AS] Driver Alarm</p>	 <p>The control panel shows the display 'E - A L'. The indicator lights and buttons are the same as in the previous panel. The words 'TIMER' and 'ILC-MAX' are visible at the bottom corners.</p>
<p>Enable or disable ROPES ALARM selecting E-AM, pressing M and use ↓ or ↑. At the end, confirm by pressing M</p> <p>(AM-0) = Off (AM-1) = On</p> <p>When enabled (AM-1), if rpm are inferior to 9, timer will display: [1.1AM] and pump will block..</p>	<p>[E-CM] Menu Version [E-FU] Functioning mode [E-PM] Pause in min [E-PH] Pause in hours [E-LM] Work in min [E-LS] Work in sec [E-IP] Pause pulses [E-CL] Ropes of work [E-AE] Reset [E-PL] Pre Lube [E-AC] Cycle Alarm [E-AP] Overpressure Alarm [E-AL] Level Alarm [E-AM] Rope Alarm [E-AH] Temperature Alarm [E-AU] Low tension Alarm [E-AS] Driver Alarm</p>	 <p>The control panel shows the display 'E - A M'. The indicator lights and buttons are the same as in the previous panels. The words 'TIMER' and 'ILC-MAX' are visible at the bottom corners.</p>

 **CYCLE ALARM CANNOT BE ENABLED TOGETHER WITH OVERPRESSURE ALARM: THEY WILL EXCLUDE EACH OTHER.**

<p>Enable or disable TEMPERATURE ALARM selecting E-AH, pressing M and use ↓ or ↑. At the end, confirm by pressing M</p> <p>(AH-0) = Off (AH-1) = On</p> <p>When enabled (AH-1), if timer reaches 80°C, will be displayed: [1.1AH] you will see red led  and pump will stop working until timer will be under 70°C</p>	<p>[E-CM] Menu Version [E-FU] Functioning mode [E-PM] Pause in min [E-PH] Pause in hours [E-LM] Work in min [E-LS] Work in sec [E-IP] Pause pulses [E-CL] Ropes of work [E-AE] Reset [E-PL] Pre Lube [E-AC] Cycle Alarm [E-AP] Overpressure Alarm [E-AL] Level Alarm [E-AM] Rope Alarm [E-AH] Temperat. Alarm [E-AU] Low tension Alarm [E-AS] Driver Alarm</p>	
<p>Enable or disable LOW TENSION ALARM selecting E-AU, pressing M and use ↓ or ↑. At the end, confirm by pressing M</p> <p>(AU-0) = Off (AU-1) = On</p> <p>When enabled (AU-1), if tension goes under 9V, timer will be in alarm and will be displayed: [1.1AU], and red led  will lamp. If tension go down more pump will power off.</p>	<p>[E-CM] Menu Version [E-FU] Functioning mode [E-PM] Pause in min [E-PH] Pause in hours [E-LM] Work in min [E-LS] Work in sec [E-IP] Pause pulses [E-CL] Ropes of work [E-AE] Reset [E-PL] Pre Lube [E-AC] Cycle Alarm [E-AP] Overpressure Alarm [E-AL] Level Alarm [E-AM] Rope Alarm [E-AH] Temperature Alarm [E-AU] Low tension Alarm [E-AS] Driver Alarm</p>	
<p>Enable or disable STATUS DRIVER ALARM selecting E-AS, pressing M and use ↓ or ↑. At the end, confirm by pressing M</p> <p>(AS-0) = Off (AS-1) = On</p> <p>When enabled (AS-1), if a communication problem between motor and timer happens, timer will have an alarm and will display: [1.1AS], pump will keep on working and red led  will lamp.</p>	<p>[E-CM] Menu Version [E-FU] Functioning mode [E-PM] Pause in min [E-PH] Pause in hours [E-LM] Work in min [E-LS] Work in sec [E-IP] Pause pulses [E-CL] Ropes of work [E-AE] Reset [E-PL] Pre Lube [E-AC] Cycle Alarm [E-AP] Overpressure Alarm [E-AL] Level Alarm [E-AM] Rope Alarm [E-AH] Temperature Alarm [E-AU] Low tension Alarm [E-AS] Driver Alarm</p>	

<p> <i>If there will be more alarms, will be displayed how many and pressing  you can check which are the alarms..</i></p> <p><i>In the example [1.2AC] first is the number of the alarm displayed, second is how many alarms, last two are the code of the alarm. To display the second alarm use </i></p>	<p><i>In run mode:</i></p> <p><i>[025.0] operat. state</i> <i>[P24.0] timer tension</i> <i>[H35.0] timer tempera.</i> <i>[PL-L] function. mode</i> [1.2AC] alarm</p>	 <p>The image shows a control panel for ILC-MAX. At the top, there are three indicator lights labeled PAUSE (green), PUMP ON (yellow), and ALARM (red). Below them is a digital display showing '1.2AC' in red. Under the display, it says 'MADE IN ITALY'. At the bottom, there are four buttons: a downward arrow (DOWN), an upward arrow (UP), a rightward arrow (ENTER), and a button with the letter 'M' (MANUAL). The word 'TIMER' is printed on the bottom left and 'ILC-MAX' on the bottom right.</p>
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