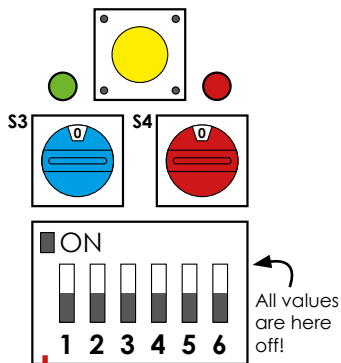


# General ILC MINI MAX

MINI-MAX series piston electric pump manual edition 20211110\_V01



## Components



### Electric timer functions


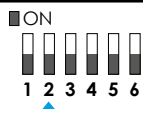
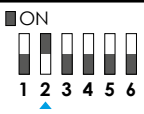


	<p><b>Flashing red LED - the pump does not go into lock</b> Indicates the level pre-alarm, repeats 5 lubrication cycles and at the end, goes into lock</p> <p><b>Steady red LED - the pump goes into lock</b> 1. After the 5 cycles from the level pre-alarm 2. If it does not receive a signal from the microswitch or the inductive sensor installed on the progressive divider</p>
	<p><b>Green LED steady on</b> At start-up for 3" or with the pump in operation</p>
	<p><b>Manual pushbutton</b> 1. Once you have set the desired values, you must press the manual pushbutton for more than 5" in order to save these parameters to the board. 2. For the reset or extra-cycle function, press the push button for 5".</p>
S3	<p><b>Light blue S3 selector for 5"</b> Setting the stand-by times</p>
S4	<p><b>Red S4 selector</b> Setting the work times</p>

### ATTENTION!

A check of the set values is recommended.

Number	Function	Value	Status	Details
1	Prelube	No	Off	The PRELUBE OFF condition identifies the saved work condition. In this case, at every switch-off and/or power outage, the pump picks up again from the stopping point (or stand-by).
		Yes	On	The PRELUBE ON condition identifies the function in which at every switch-off and/or power outage, the pump starts with a complete cycle identical to the one set in the selection values.
2	Stand-by	Minutes	Off	Identifies the stand-by function with progression in minutes.
		Hours	On	Identifies the stand-by function with progression in hours.
3	Work	Seconds	Off	Identifies the work function with progression in seconds.
		Minutes	On	Identifies the work function with progression in minutes.
4	Cycle Control	No	Off	The pump works only with stand-by - work time.
		Yes	On	To verify proper lubrication cycle operation, check the inductive microswitch/sensor installed on a progressive divider. If the timer does not receive the signal from the inductive microswitch/sensor during the work cycle, the red LED lights up - the pumps goes into lock and sends a remote alarm signal.
5	Stand-by	According to time	Off	The stand-by time selects the waiting time between 2 cycles and can be set in 2 progressions (minutes - hours).
		According to impulses	On	The stand-by impulses select the function in which a signal sent from the machine is what determines pump cycle start.
6	Min. electric level	No	Off	The minimum electric level check function is deactivated.
		Yes	On	The minimum electric level check function is active.

## Selecting the stand-by time


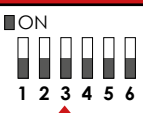
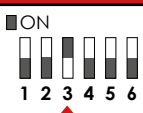
Light blue S3 selector	Stand-by value in minutes	Stand-by value in hours	Stand-by value in impulses	Stand-by value in impulses
				
0	2	1	4	120
1	4	2	8	240
2	6	3	12	360
3	8	4	16	480
4	10	5	20	600
5	12	6	24	720
6	14	7	28	840
7	16	8	32	960
8	18	10	36	1200
9	20	12	40	1440
A	22	14	44	1680
B	24	16	48	1920
C	26	20	52	2400
D	28	24	56	2880
E	30	28	60	3360
F	32	32	64	3840

The light blue rotating selector (called S3) sets the stand-by time to use.

As shown in the table, the selector must be paired with the choice of the progression (hours - minutes - impulses) and whether the stand-by values must be expressed in units of time and/or impulses.

Make this selection using the DIP-SWITCH selector.

## Selecting the work time

Red S4 selector	Work value in seconds	Work value in minutes
		
0	2	2
1	4	4
2	6	6
3	8	8
4	10	10
5	12	12
6	14	14
7	16	16
8	18	18
9	20	20
A	22	22
B	24	24
C	26	26
D	28	28
E	30	30
F	60	32

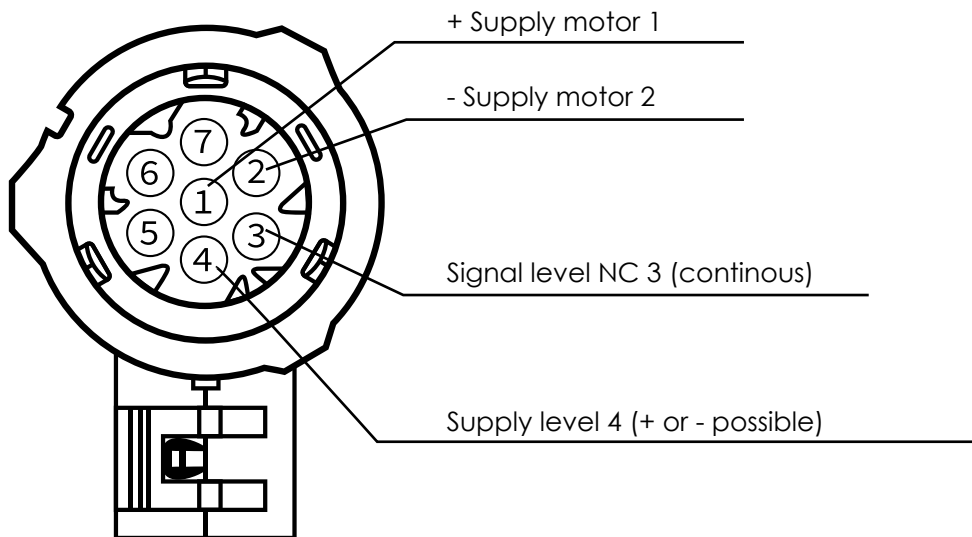
The red rotating selector (called S4) sets the work time to use.

As shown in the table, the selector must be paired with the choice of the progression (seconds - minutes).

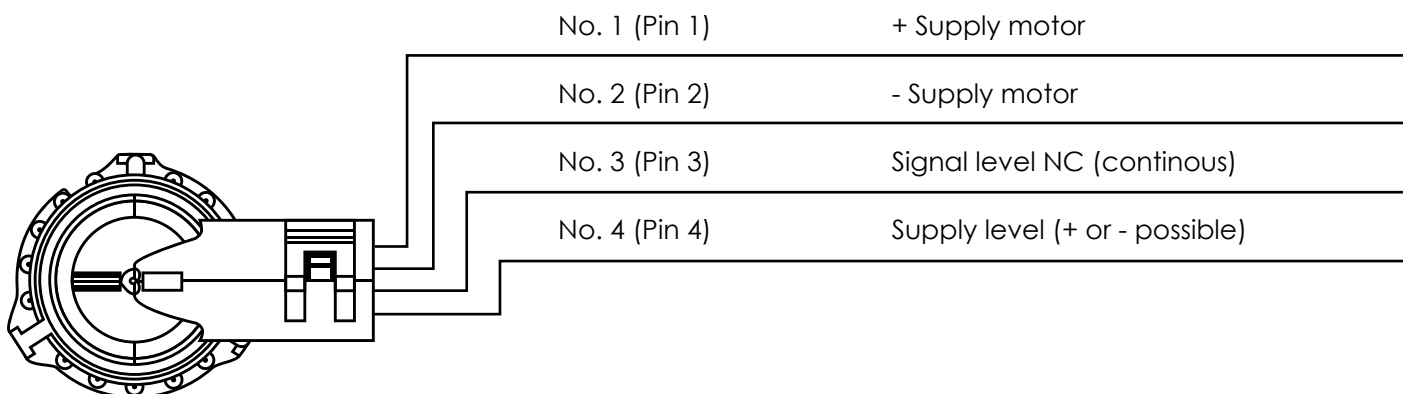
Make this selection using the DIP-SWITCH selector.



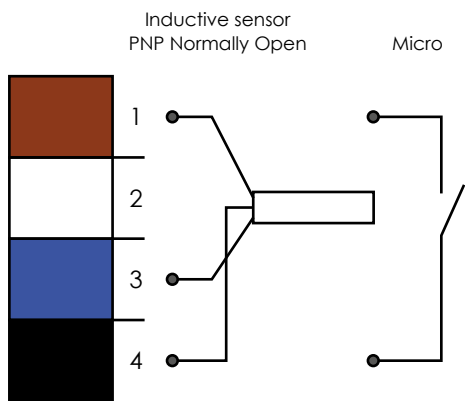
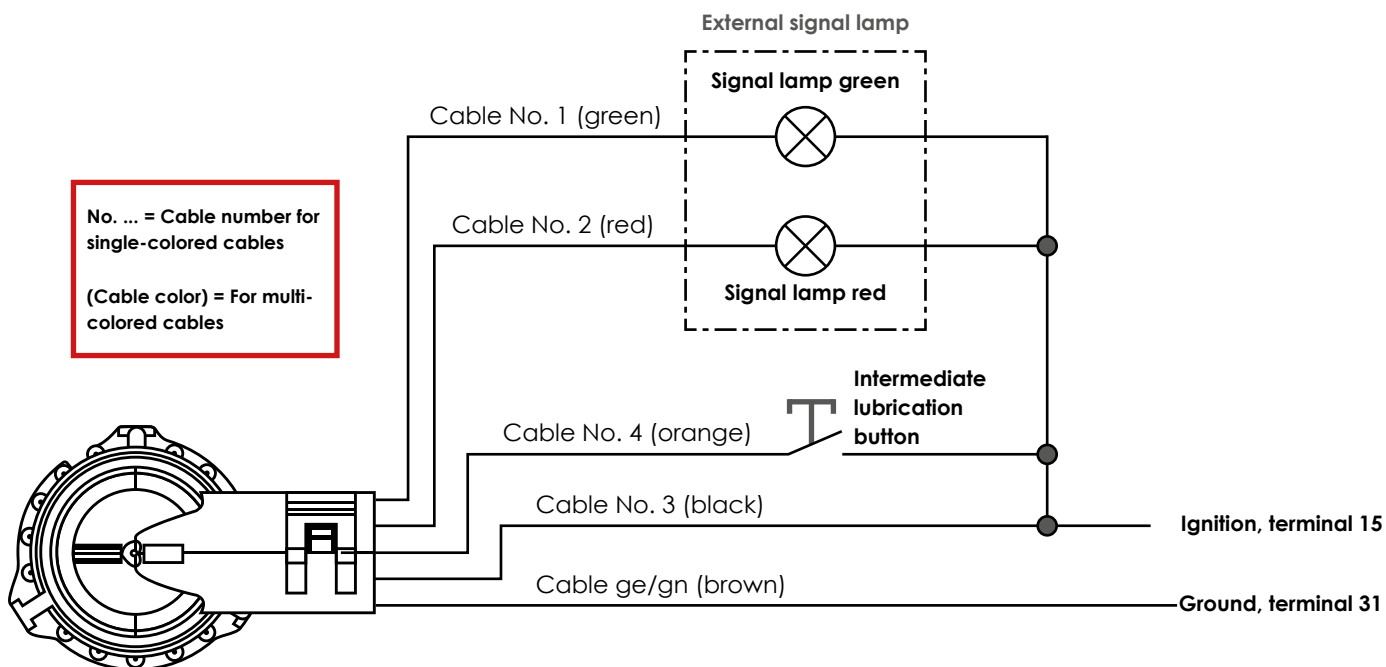
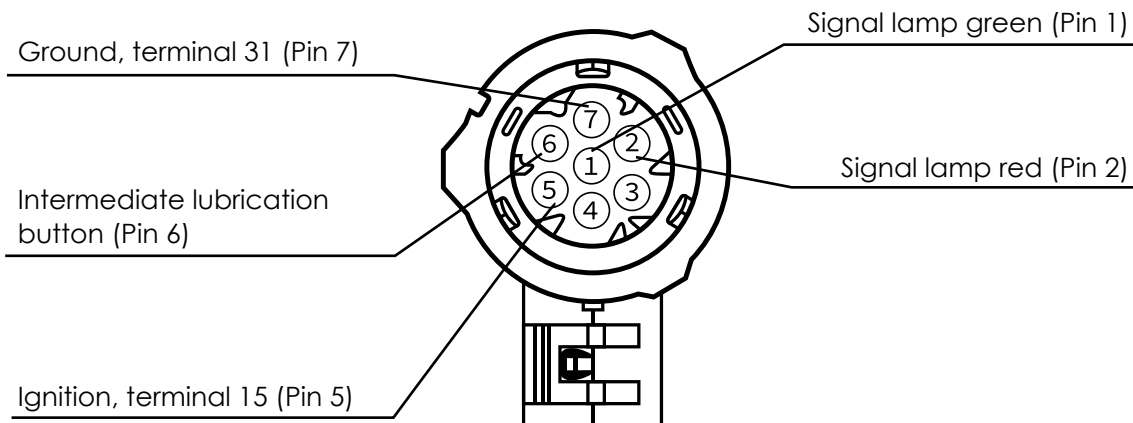
## Cable pump without timer connection



No. ... = Cable number for single-colored cables (pin position TYCO connector)



## Pump connection with timer



**To connect a control unit placed on the progressive distributor or on the pump outlet refer to the diagramm provided!**

Pin 1 = brown = +  
 Pin 3 = blue = -  
 Pin 4 = black = signal

