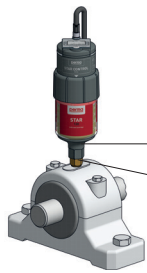


perma STAR CONTROL - Quick Start Guide

1. Predefine installation / Select lubricant, discharge period + connecting parts

Examples: Bearing lubrication



Direct mounting

Mounting bracket
STAR Standard Duty
1-point G1/4 female
(109663)

Hose connector G1/4 male for
hose iD 9.5 mm - push-lock
(116624)



Remote mounting → for lube-points with vibration,
limited mounting space, high temperature

Support flange STAR
G1/4 male x G1/4 female
(109420)

Hose connector G1/4 male for
hose iD 9.5 mm - push-lock
(116624)

Heavy Duty hose up to
+100 °C oD 16 mm x iD 9.5 mm
(101555)

Reducer

**Select a suitable lubricant
for perma STAR LC unit**
→ e. g. perma Multipurpose grease SF01

Select discharge period
→ e. g. with perma SELECT APP
(refer to our product catalog for details)

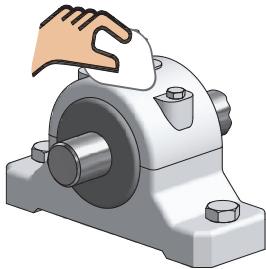
Possible mounting positions



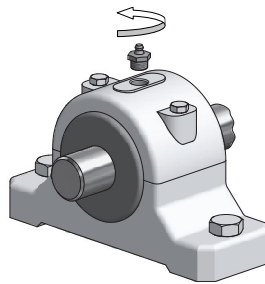
360°

(Oil filled LC
+/- 45°)

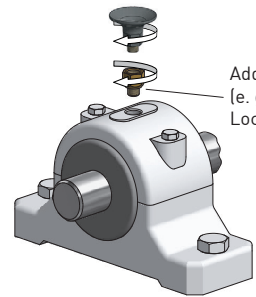
2. Prepare lube-point



Clean lube-point



Remove grease fitting



Add sealant
(e. g.
Loctite® 243™)

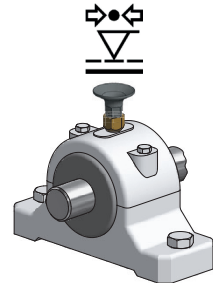
Add reducer, support flange
and tubes (if required)



For direct mounting:
Prefill lube-point and any connecting parts
(use the same grease that is contained in the lubrication system)



For remote mounting:
Prefill lube-point and any grease lines / connections
(use the same grease that is contained in the lubrication system)

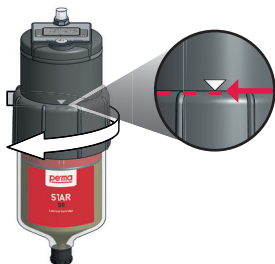


Pressure check: Lube-point / all connecting parts

3. Activation / Installation of lubrication system



Assemble drive
and LC



Tighten threaded ring hand tight until
the white triangle is completely visible



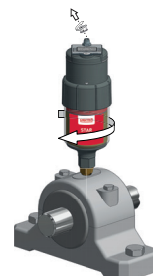
Note activation /
exchange date
on label



Configuration can be
found on the back page



Remove plug

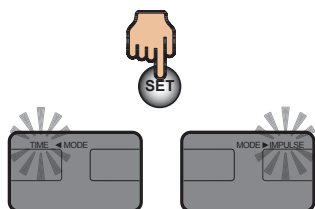


Remove cap and screw
the lubrication system into
the lubrication point

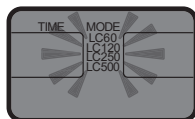


Connect the cable to the
drive by screwing it on

Configuration

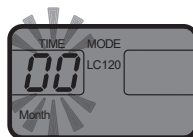


Hold down SET button for 5 s; Select desired mode („TIME“ & „IMPULSE“) by pressing the SET button



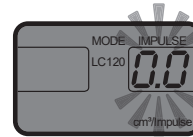
Set the LC size by pressing the SET button (60, 120, 250, 500 cm³)

TIME Mode



Set the discharge period by pressing the SET button (1-12 months; 1-26 weeks → only 500 cm³)

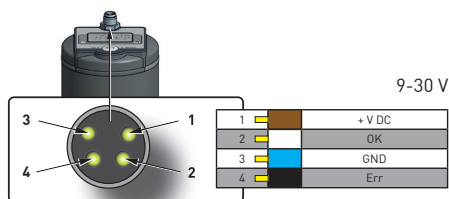
IMPULSE Mode



Set the discharge volume per impulse by pressing the SET button (0,1 - 9,5 cm³)

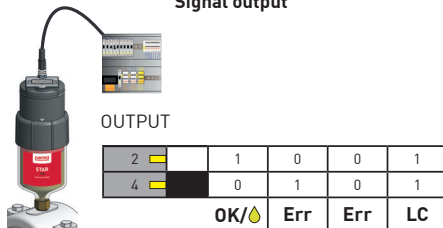
Electrical connection

Electrical connection



9-30 V

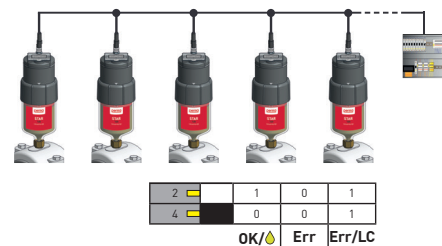
Signal output



OUTPUT

2	4	1	0	0	1
OK/	Err	Err	LC		

Connection in parallel



HINT

Wiring diagram for 4 perma STAR CONTROL
www.perma-tec.com/star-control-parallel-wiring

Quick Reference

Feature	Description	
Power supply	Power supply is indicated by the plug symbol in the display.	
Purge	Access the purge feature by holding down the SET button for 10 seconds. Release the button when "PU" appears and the purge will start automatically and show the "PU" LCD display. The green LED will flash. The purge cycle runs for 3 complete revolutions of the drive spindle to deliver around 6 cm³ of grease. It can be stopped at any time by pushing the SET button once.	
LED Light & LCD Screen combinations 	Normal operation: - Green LEDs flash every 7 seconds - LCD screen displays Time / Impulse setting & volume	
	Run cycle (lubricant being delivered): - Green LED's flash every second - LCD screen displays "ru"	
	Empty Lubricant Cartridge (LC): - Red LED's double flash every 2 seconds - LCD screen displays "LC"	
	Blockage / Back Pressure Overload (OL): - Red LED's double flash every 7 seconds - LCD screen displays "OL"	
	Purge (PU): - Green LED's flash every second - LCD screen displays "PU"	