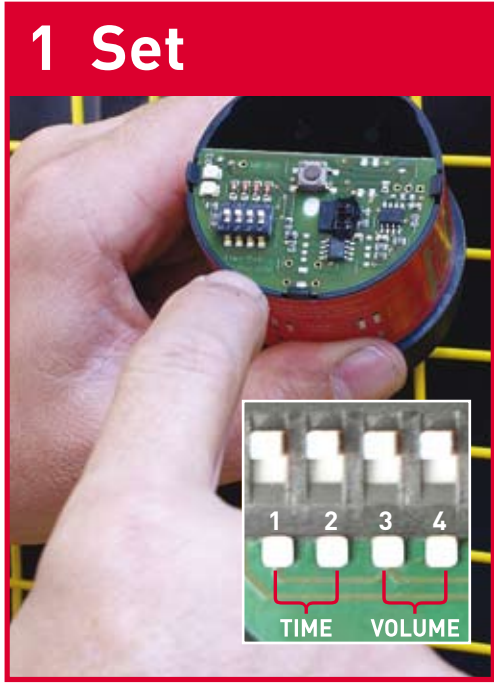# perma STAR Vario – Setting and Assembly
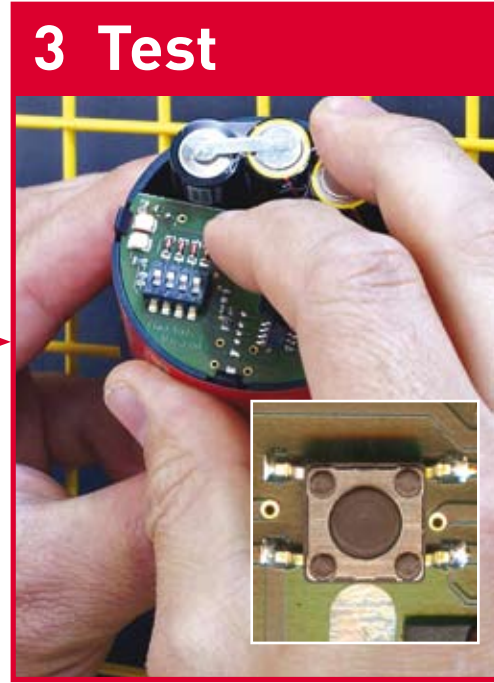
1 Set

Select desired VOLUME and TIME settings. Mark the time setting on the Drive using the stickers provided.

2 Battery

Insert batteries. Use a new set with every with every new lubricant cartridge (LC).

3 Test

Depress the battery and the on/off button to test the Drive - it will run and the red LED will illuminate.

4 Cartridge

Seat the Drive onto the Lubricant Cartridge (LC). The head of the LC spindle inserts into the socket of the Drive.

5 Cover

Screw down the Drive cover until it comes to a stop – then turn back ¼ of one turn. This will enable easier disassembly at the next service.

6 Date

Write the installation date, and if preferred the next service date, on the LC.

7 Support

Attach the A620P support base – screw on firmly.

8 Activate

Turn the unit ON. The Drive will run and the red LED will illuminate.

9 Install

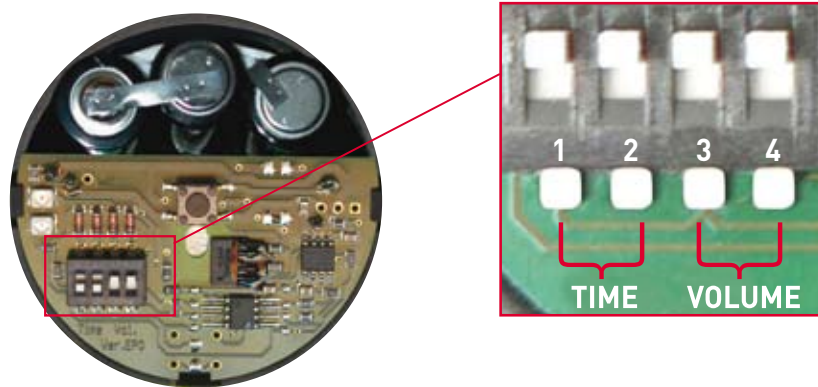Screw the lubricator into the lubrication point.

10 Protect

Fit the protective cover.

Dispensing Rates & Settings

Different rates are achieved by selecting a TIME period of 1, 3, 6 or 12 months and a cartridge VOLUME setting of 60, 120 or 250cc.

The STAR Vario delivers a wide range of dispensing rates. It caters for the low rates required for electric motor bearings to high rates for applications such as the wet end seals on slurry pump barrels.

	1 Month	3 Months	6 Months	12 Months
60cc	2.0cc per day	0.67cc per day	0.33cc per day	0.17cc per day
120cc	4.0cc per day	1.3cc per day	0.67cc per day	0.33cc per day
250cc	8.3cc per day	2.8cc per day	1.4cc per day	0.7cc per day

Lubricator Inspections

LED System – Check the flashing sequence of the green and red LED's to confirm operational status.

Drive Setting – Mark Drive units with the TIME setting.

Date Marking – Record the installation date on the cartridge.

Piston Position – Visual check of piston position provides a quick indication of operational status.

Operational Status	LED message
Initial purge when turned on	Continual red for 25 seconds
System on and operating correctly	Green flash every 15 seconds
System error (blockage detected)	Red flash every 8 seconds
Grease canister empty	Green & red flash every 3 seconds
Drive unit discharging	Continual red for 1 to 5 seconds

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