

**Principle of operation:**

On activating the lubricator, an electro-chemical reaction is triggered which results in a pressure build-up within the nitrogen chamber. This pressure is directed to the piston by means of a bellow. The pressure moves the piston down, grease is discharged.



**Start-up:**

Set DIP-switch 7 to ON position to activate lubricator. The green LED blinks briefly. Then the red LED blinks in intervals of 15 times. As soon as the desired grease discharge or time setting is set, the red LED goes out. The green LED continues to blink about every 30 sec.

**Time for pressure build-up:**

Running time / months	1	2	3	6	12	18
DIP-switches	1	2	3	4	5	6
Pressure build-up time/ days	1	2	3	6	10	14

After above shown pressure build-up time lubrication commences. The pressure remains even if the lubricator is switched off in between. When turned back on, the greasing will immediately continue.

**Immediate greasing or function control:**

Set all DIP-switches to ON position. The green LED blinks twice every 8-10 seconds. After a pressure build-up time of about 6-8 hours, lubricator will commence greasing. Now set all switches back to original position and set desired running time (see table) + DIP-switch 7.

**Technical data:**

- Voltage supply (4 x 1,5 V) 3 V
- Varta Industrial Mignon / AA



**DIP-Switch Settings for ALS Type 475  
Capacity 460 ccm**

DIP-switch position	Daily volume of lubricant	Running time of lubricator
7 = ON. Green LED blinks briefly. Red LED blinks in intervals of 15		
6 = 18 M	0,60 cm <sup>3</sup>	18 months
5 = 12 M	1,20 cm <sup>3</sup>	12 months
4 = 6 M	2,50 cm <sup>3</sup>	6 months
3 = 3 M	4,50 cm <sup>3</sup>	3 months
2 = 2 M	7,50 cm <sup>3</sup>	2 months
1 = 1 M	14,00 cm <sup>3</sup>	1 month
All switches on ON	34,00 cm <sup>3</sup>	14 days
<b>Combinations:</b>		
5 + 4	3,50 cm <sup>3</sup>	121 days
5 + 3	6,00 cm <sup>3</sup>	71 days
4 + 3	7,30 cm <sup>3</sup>	57 days
5 + 4 + 3	8,50 cm <sup>3</sup>	51 days
5 + 2	8,50 cm <sup>3</sup>	52 days
4 + 2	9,10 cm <sup>3</sup>	45 days
3 + 2	12,20 cm <sup>3</sup>	35 days
5 + 3 + 2	13,40 cm <sup>3</sup>	28 days
4 + 3 + 2	14,50 cm <sup>3</sup>	30 days
5 + 4 + 3 + 2	15,80 cm <sup>3</sup>	27 days
4 + 1	16,80 cm <sup>3</sup>	24 days
3 + 1	19,50 cm <sup>3</sup>	23,5 days
2 + 1	22,00 cm <sup>3</sup>	20 days
5 + 2 + 1	23,10 cm <sup>3</sup>	19 days
3 + 2 + 1	26,80 cm <sup>3</sup>	17 days
5 + 3 + 2 + 1	28,00 cm <sup>3</sup>	16 days
4 + 3 + 2 + 1	30,00 cm <sup>3</sup>	15 days
5 + 4 + 3 + 2 + 1	30,50 cm <sup>3</sup>	14,5 days

**Important notice!**

Temp. range: max. -30 °C to +60 °C dependent on penetration of grease.  
Avoid electrostatic charging of lubricator (e.g. friction from cloths or strong air flows).

**ALS is not responsible for consequential damage beyond replacement of lubricator or refund of amount paid.**