

Product Change

perma STAR CONTROL: extension with STAR LC 500

PCN-No.:

2106-01-00

Date:

2021/06/23

Description of Change:

Inclusion STAR LC 500 and adjustment of the two operating modes TIME & IMPULSE

Details:

In addition to the already available LC sizes STAR LC 60, 120 and 250, the STAR LC 500 can also be used with the perma STAR CONTROL.

The weight of the perma STAR CONTROL Drive with a filled STAR LC 500 (perma Multipurpose grease SF01) is approx. 1071 g.

The operating modes TIME and IMPULSE are subject to the following changes:

1. Operating mode TIME

- Extension of the setting parameters for operating mode TIME (see figure 1):
 - o LC 60 to LC 250: 1 to 12 months (no change).
 - o LC 500: 1 to 26 weeks (NEW)

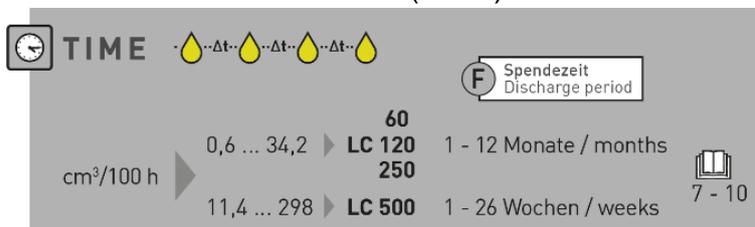


Figure 1: Operating mode TIME new version with four LC sizes (LC60 to LC500)

- Change of display and the setting parameters (see figure 2):

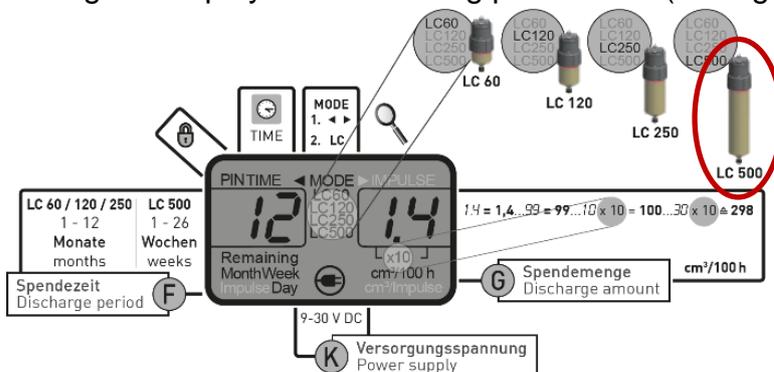


Figure 2: New display for TIME operating mode with four LC variables, discharge period [F], discharge amount [G] and power supply [K].

- Extension of the discharge amount table in TIME operating mode (see figure 3):

G	LC 60 [cm ³ /100 h]	0,13 cm ³ /	8,2	4,1	2,7	2,0	1,6	1,3	1,1	1,0	0,9	0,8	0,7	0,6														
	LC 120 [cm ³ /100 h]	0,26 cm ³ /	16,4	8,2	5,4	4,1	3,2	2,7	2,3	2,0	1,8	1,6	1,4	1,3														
	LC 250 [cm ³ /100 h]	0,53 cm ³ /	34,2	17,1	11,4	8,5	6,8	5,7	4,8	4,2	3,8	3,4	3,1	2,8														
F	1 - 12 Monate / months		1	2	3	4	5	6	7	8	9	10	11	12														
P	Δt[h:min] LC 60/120/250		1:30	3:00	4:36	6:06	7:36	9:06	10:36	12:12	13:42	15:12	16:42	18:12														
LC 500	LC 500 [cm ³ /100 h]	0,53 cm ³ /	298	149	99,2	74,4	59,5	49,6	42,5	37,2	33	29,7	27	24,8	22,8	21,2	19,8	18,6	17,5	16,5	15,6	14,8	14,1	13,5	12,9	12,4	11,9	11,4
	1 - 26 Wochen / weeks		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26
	Δt[h:min] LC 500		0:12	0:18	0:30	0:42	0:54	1:00	1:12	1:24	1:36	1:42	1:54	2:06	2:18	2:24	2:36	2:48	3:00	3:06	3:18	3:30	3:42	3:48	4:00	4:12	4:24	4:30

Figure 3: New discharge amount table for TIME operating mode with discharge amount (LC 60, LC 120, LC 250 [G] and LC 500), discharge period (1 to 12 months for LC 60 to LC 250 [F] and 1 to 26 weeks for LC 500) and pause time [P].

2. Operating mode IMPULSE

- Change of display and the setting parameters (see figure 4):

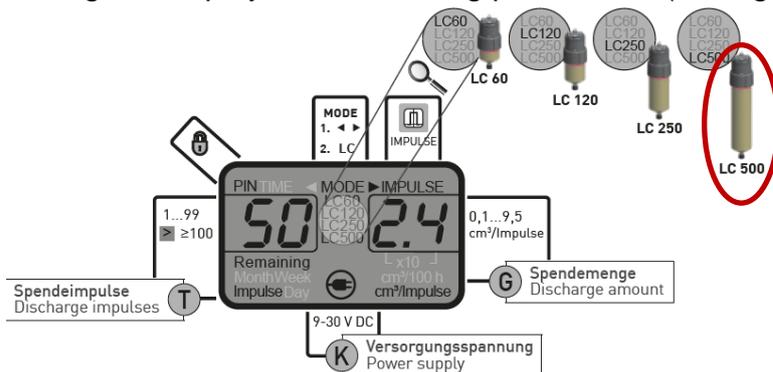


Figure 4: New display in IMPULSE operating mode with four LC variables, discharge impulses [T], discharge amount [G] and power supply [K].

- Extension of the discharge amount table in IMPULSE operating mode (see figure 5):

G	cm ³ /Impulse	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	1.0	1.2	1.4	1.6	1.8	2.0	2.2	2.4	2.6	2.8	3.0	3.5	4.0	4.5	5.0	5.5	6.0	6.5	7.0	7.5	8.0	8.5	9.0	9.5
	LC 60	600	300	200	150	120	100	86	75	67	60	50	43	37	33	30	27	25	23	21	20	17	15	13	12	11	10	9	9	8	7	7	7	6
	LC 120	1200	600	400	300	240	200	171	150	133	120	100	86	75	67	60	55	50	46	43	40	34	30	27	24	22	20	18	17	16	15	14	13	13
	LC 250	2500	1250	833	625	500	417	357	313	278	250	208	179	156	139	125	114	104	96	89	83	71	62	56	50	45	42	38	36	33	31	29	28	26
	LC 500	5000	2500	1667	1250	1000	833	714	625	556	500	417	357	313	287	250	227	208	192	179	167	143	125	111	100	91	83	77	71	67	62	59	56	53
T		≥100																		99														

Figure 5: New discharge amount table for the operating mode IMPULSE with discharge amount (LC 60, LC 120, LC 250 and LC 500) [T], discharge impulses (from 0.1 to 9.5 cm³) [G].

3. Display of "DAYS SINCE RED"

If there is an error (OL, ut, LC or Er) in the lubrication system, the "Days since red" display can be accessed by pressing the SET button for 1 second. For 5 seconds, the number of days since the error has occurred is shown in the display. The procedure for this is shown in figure 6.

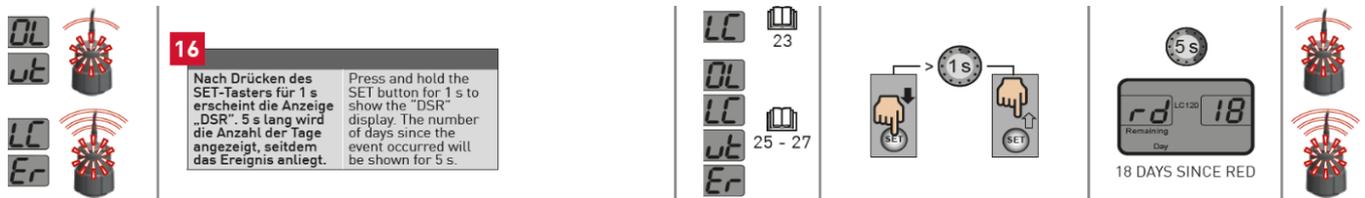


Figure 6: Procedure in case of a red flashing LED on the STAR CONTROL Drive (the days passed since the error message occurred are displayed)

Products effected:

perma STAR CONTROL (Art. No.: 108985)

Effective date:

The changes will be effective after clearance sale of the existing stock, probably from mid of July onwards.

Modification indicated by the serial number

Remarks:

Flyer (<https://download.perma-tec.com/public/perma-star-control-en>)