

perma STAR CONTROL

TIME and IMPULSE mode in one system

Generation
2.0



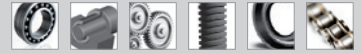
Lubrication based on operating hours or on impulse

perma STAR CONTROL is machine / PLC controlled and can easily be integrated into machines with external power supply. The operating status can be transmitted to the PLC. The lubrication system offers two operating modes - TIME and IMPULSE - for more flexibility.

In TIME mode, discharges are only carried out when the machine is in operation. In IMPULSE mode, the system discharges a predefined lubricant amount every time external power is applied. The desired mode can be selected via the display. perma STAR CONTROL consists of an electro-mechanical drive unit with LCD display and an LC unit (available in three different sizes 60 cm³, 120 cm³, 250 cm³). The system discharges exact amounts independent of temperature and up to 6 bar counter pressure.

perma

Applications



perma STAR CONTROL is used for single-point lubrication of roller- and sliding bearings, sliding guides, open gears, gear racks, spindles, shaft seals, and chains. This lubrication system is ideal for applications that require precise lubricant metering. It is a preferred system for electric motors with very specific relubrication amounts. perma STAR CONTROL is protected against dust and water jets when the individual parts are assembled correctly (IP 65).



Product characteristics

Benefits



LCD display with push button shows discharge settings, LC size and operating status

Push button for setting mode, LC size, discharge amount and PIN

- Quick and easy control of settings and remaining impulses / operating hours until LC exchange
- More flexibility with simple programming of TIME or IMPULSE mode; settings can be changed at any time
- PIN prevents manipulation



Electromechanical drive with external power supply

All around visible LED lights (red / green) signal function and possible errors

- Reliable, precise lubricant discharge independent of temperature and counter pressure
- Quick function control via visual signals on the lubrication system or electronic signals on the machine's fault reporting system saves time and improves overall workflow



Pressure build-up to 6 bar allows remote mounting

Counter pressure check and manual discharge (purge function)

- Remote installation at safe- and easy-to-access places (maximum 5 m) reduces workplace accidents and saves time
- Less equipment downtime since the exchange can be carried out while the machines are running
- Lubrication point can be purged to clear blockages

Technical Information

Drive – reusable
Electromechanical

Power supply
External 9 - 30 V DC, I_{max} 0.5 A

Discharge period
Time controlled (TIME)
Impulse controlled (IMPULSE)

Lubricant volume
60 cm³, 120 cm³ or 250 cm³

Operating temperature
-20 °C to +60 °C

Pressure build-up
6 bar

Protection class
IP 65

Lubricants
Grease up to NLGI 2 / oil

