

# 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.

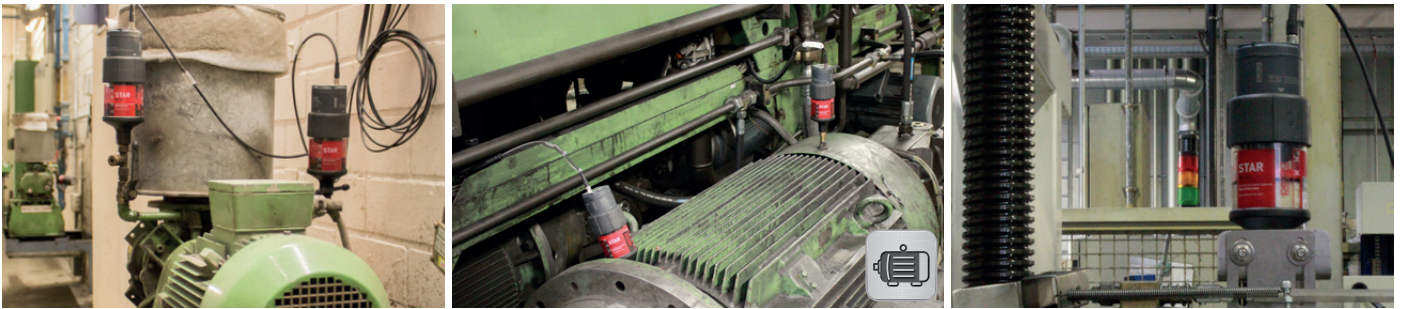
In TIME mode, discharges are only carried out when the machine is in operation. In IMPULSE mode, the system discharges a predefined lubricant amount every time external power is applied. The desired mode can be selected via the display. perma STAR CONTROL consists of an electro-mechanical drive unit with LCD display and an LC unit (available in three different sizes 60 cm<sup>3</sup>, 120 cm<sup>3</sup>, 250 cm<sup>3</sup>). 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<sub>max</sub> 0.5 A**

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

Lubricant volume  
**60 cm<sup>3</sup>, 120 cm<sup>3</sup> or 250 cm<sup>3</sup>**

Operating temperature  
**-20 °C to +60 °C**

Pressure build-up  
**6 bar**

Protection class  
**IP 65**

Lubricants  
**Grease up to NLGI 2 / oil**

