

# Cooling Water Control KS-201



The KS-201 optimises the water supply in cooling water circulation systems. With connected level contacts, its control system provides the regulation of the water level and controls reliably the required feeding of water. The KS-201 provides the complete automatic regulation of cooling water concentration by measuring the electrical conductivity and controlling the bleeding off. It captures the feeding and bleeding off volumes. Hardness stabilisers, corrosion protection, and pH regulators can be added in proportion to the given volume. Biocide dosing can be controlled by weekday and time of day or by time interval.

*Note:* For the conductance measurement we recommend the usage of our 2-electrode-conductivity measuring cell LWS-1 Conductance Probe.

## Technical Data

**Operating Voltage**  
230 V AC, 50 Hz

**Fuse Protection**  
4 A T

**Power Consumption**  
ca. 8 VA ( without external consumers )

**Option 24 V Version**  
24 V AC valve supply  
max. 20 VA  
fuse protection 1 A T

**Data Retention follow. Power Failure**  
operating data approx. 72 hours  
configuration and parameter data are  
safely stored in EEPROM

**Outputs**  
2 phase-ass. change-over cont. (230 V AC)  
2 phase-ass. norm. open switch (230 V AC)  
3 neutral change-over contacts  
1 neutral normally open switch

**Relay Contact Data**  
230 V AC / 8 A (AgNi)

**Inputs**  
6 Inputs via optocoupler  
max. contact load 10 V DC, approx. 8 mA

**Optionally**  
measuring module for pH value

**Climatic Conditions**  
acc. to DIN EN 60204-1 ( 05-2010 )

**Ambient Temperature**  
operation: -20 ... +55 °C  
transport / storage: -25 ... +55 °C

**Housing**  
DIN plastic housing for wall mounting  
– IP54

**Dimensions**  
W / H / D : 212 x 184 x 94 mm

**Ordering Info:**  
KS-201 - 230V : E1554  
KS-201 - 230V / 24V : E1555

**Accessories:**  
programming cable: KC0034  
conductance probes:  
LWS-1 PP E1930  
LWS-1 Pt ( with Pt100 ) E1929  
LWS-1 PV Pt ( with Pt100 ) E1931