

# Osmosis Control OS-201



## Technical Data

### Operating Voltage

230 V, 50 Hz (-10 / + 6 %)

### Fuse

4 A T

### Power Consumption

approx. 8 VA  
(without external consumers)

### Option 24 V Version

24 V AC valve voltage supply  
max. 20 VA, fuse 1 A T

### Data Retention at 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)  
jointly fused by 4 A slow  
3 neutral change-over contacts  
1 neutral normally open switch  
optionally (0)4 ... 20 mA analogue output

### Relay Contact Data

relay contact: 230 V AC / 8 A (AgNi)

### Inputs

six inputs via optocoupler  
contact load 10 V DC, ca. 8 mA  
1 input for conductance measurement  
1 input for Pt100 probe

### 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 installation IP54

### Dimensions

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

The osmotic control OS-201 is used for automatic monitoring and control of a water-desalination plant on the principle of reverse osmosis. Basically, the OS-201 is available in two different versions:

- direct power supply of the valves via the voltage supply of the device, e.g.: OS-201 / 230 V ( order code: E1328 or E1639 );
- power supply of the valves by means of a separate 24 V voltage supply, e.g.: OS-201 / 230 V / 24 V ( order code: E1329 or E1640 ).

In its standard version the device is equipped with a measuring module for conductance measurement with temperature measurement. Optionally OS-201 Osmosis Control is also available with conductance measuring module with an (0)4 ... 20 mA analogue output.

*Note:* For the conductance measurement we recommend the usage of our 2-electrode-conductivity measuring cell LWS-01 Conductance Probe.

### Ordering Information:

OS-201 / 230 V:	E1328
OS-201 / 230 V / 24 V:	E1329
OS-201 / 115 V:	E1478
OS-201 / 115 V / 24 V:	E1480

### with (0)4 ... 20 mA – Analogue Output:

OS-201 / 230 V:	E1639
OS-201 / 230 V / 24 V:	E1640
OS-201 / 115 V:	E1479

### Accessory:

programming cable:	KC0034
LWS-01 PP :	E1926
LWS-01 Pt ( with Pt 100 ):	E1928
LWS-01 PV Pt ( with Pt 100):	E1927