Regtronic KM-IP

Communication Module

The Regtronic KM-IP communication module is used to connect the Regtronic controller to a local network for communication either via BACnet IP or Modbus TCP. It is intended for connection to a controller via S-Bus interface and for parameterisation of the connected controller, considering the specified technical data.

Compatible with the following Oventrop products:

- Regumaq X-80 fresh water station (item no. 1381580/81/82)
- Regumaq X-45 fresh water station (item no. 1381140/42)
- Regudis H transmission station (item no. 1391021-1393037) with controller Regtronic RH-HT
- Regtronic RH heating circuit controller (item no. 1152080/83)
- Regtronic RM multifunction controller (item no. 1369555) (Note: only BACnet IP communication)

The current data point lists for the various devices and further information can be found here:

Features

+ Intelligent automation – interaction of system components for energy and operational optimisation
+ More operational data creates more transparency in status monitoring and error detection
+ Flexible choice between the communication standards BACnet IP and Modbus TCP

Technical Data

Item no.	1159094
Housing	Plastic
Protection type	IP 20/ EN 60 529
Protection class	III
Ambient temperature	0...40 °C
Dimensions	95 x 70 x 25 mm
Installation	Wall mounting (optional)
Display	Operating control LED
Interfaces	S-Bus (connection to controller), LAN (10/100) WLAN 2,4~2,4835 GHz (only for configuration)
Power consumption	< 1.75 W
Power supply (plug-in power supply unit)	Input: 100 – 240 V AC/ 50 – 60 Hz
Output	12 V DC

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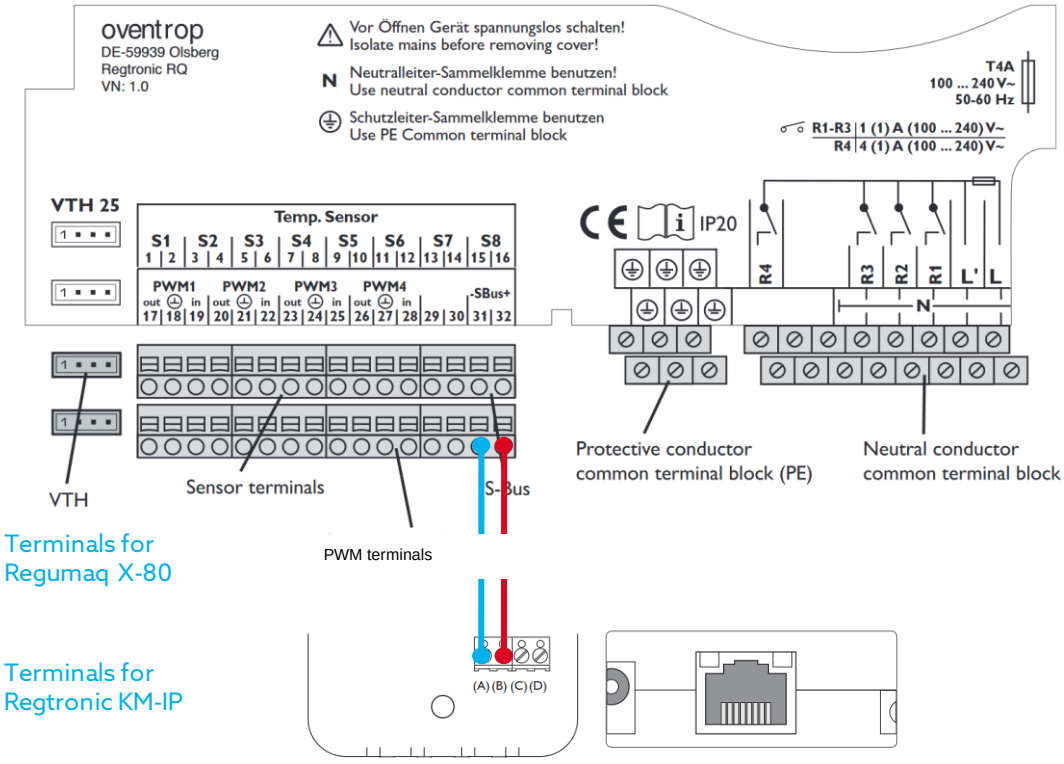
Application

Regumaq X-80 fresh water station (item no. 1381580/82) networked with the building automation

ADDITIONAL ADVANTAGES AND OPTIONS THROUGH INTEGRATION:

- **Monitoring** of potable water hygiene: temperatures and states (relay, pump, circulation mode)
- **Verification of operating parameters** in building automation: Do I comply with the prescribed parameters?
- **Transparency** – output of error messages to the building automation, e.g. sensor error or safety shutdown
- **Activation of emergency mode:** Setting of the speed of the primary pump
- **Control** of thermal disinfection
- **Adjustment** of the potable water temperature
- **Connection** of further sensors (e.g. buffer storage cylinder) to inform the building automation

CONNECTION X-80 WITH REGTRONIC KM-IP:

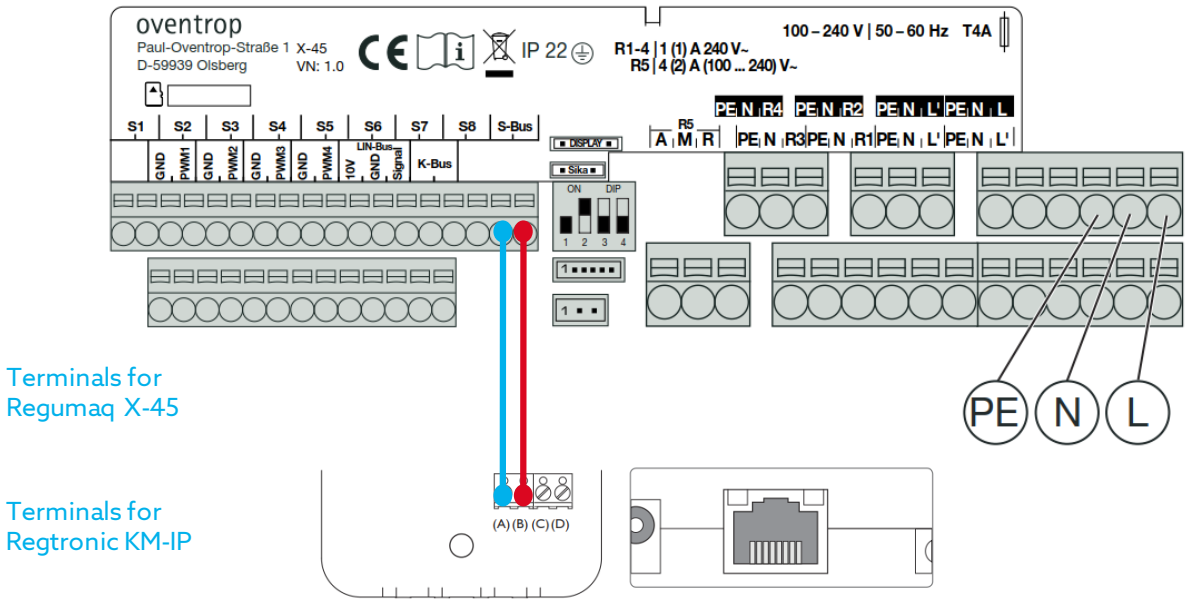


Regumaq X-45 fresh water station (item no. 1381140/42) networked with the building automation

ADDITIONAL ADVANTAGES AND OPTIONS THROUGH INTEGRATION:

+ **Monitoring** of potable water hygiene: temperatures and states (relays, pump, circulation mode)
+ **Verification of operating parameters** in building automation: Do I comply with the prescribed parameters?
+ **Activation of emergency mode:** Setting of the speed of the primary pump
+ **Control** of thermal disinfection
+ **Adjustment** of the potable water temperature
+ **Connection** of further sensors (e.g. buffer storage cylinder) to inform the building automation

CONNECTION X-45 WITH REGTRONIC KM-IP:

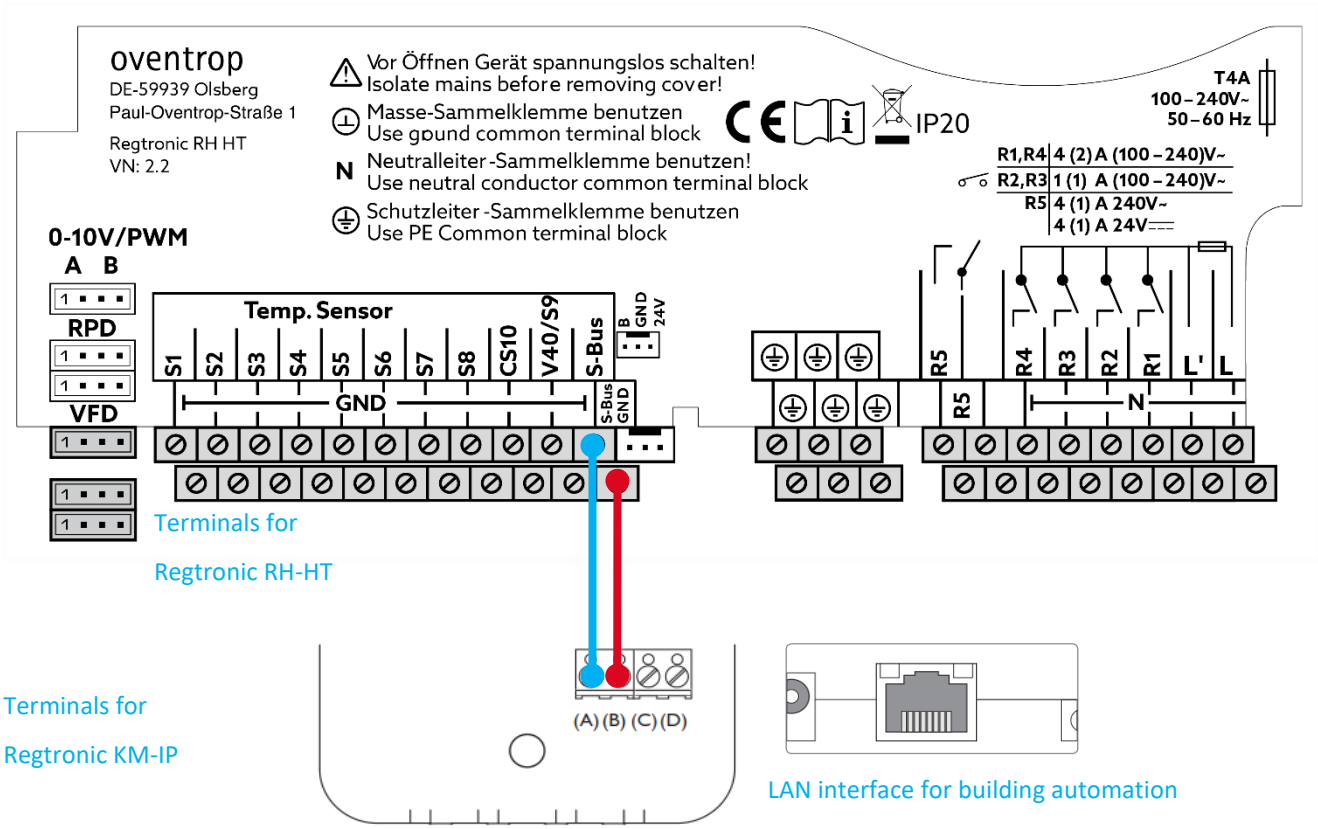


Regudis H transmission station with Regtronic RH-HT controller (item no. 1391021-1393037)

ADDITIONAL ADVANTAGES AND OPTIONS THROUGH INTEGRATION:

+ **Monitoring** of the flow and return temperatures to increase energy efficiency and to ensure comfort
+ **Intervention** in case of lack of efficiency or lack of comfort by adjusting the flow temperature (setting the heating characteristic line, changing the day/night correction)
+ **Setting** the operating mode (day, night, summer, holiday mode, off)
+ Monitoring of temperatures and states (relay, pumps) for **quick identification of errors** in the system
+ **Reading** of heat meters
+ **Verification of operating parameters** in building automation: Is my system working efficiently?
+ **Transparency** – output of error messages to the building automation, e.g. sensor error
+ **Connection** of further sensors (e.g. buffer storage cylinder) to inform the building automation

CONNECTION REGTRONIC RH-HT WITH REGTRONIC KM-IP:



Regumat M with Regtronic RH

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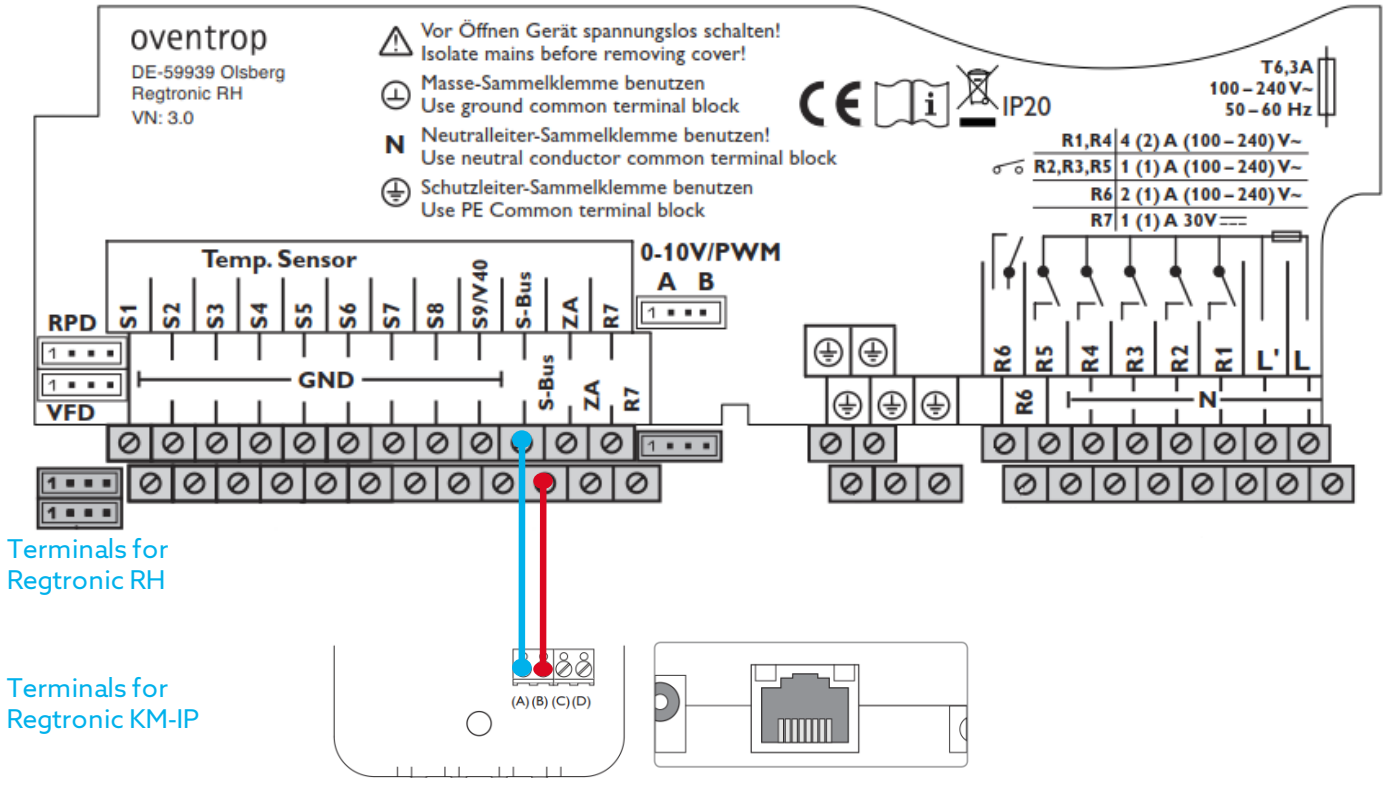
+ **Verification of operating parameters** in building automation: Is my system working efficiently?
+ **Transparency** – output of error messages to the building automation, e.g. sensor error
+ **Connection** of further sensors (e.g. buffer storage cylinder) to inform the building automation

CONNECTION REGUMAT M WITH REGTRONIC KM-IP:



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