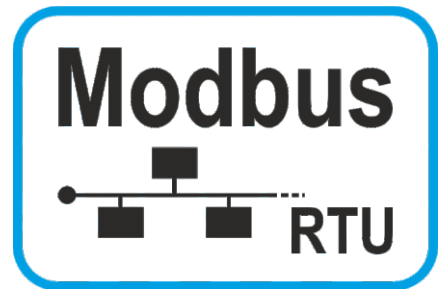# MODBUS

SMART HOME

The additional MODBUS equipment allows you to connect your wastewater treatment plant to your smart home through the RS 485 interface and the MODBUS-RTU protocol. With this functionality, you will have better control over your treatment plant and can monitor it within your smart home. With this additional accessory, you can monitor the performance of the treatment plant, water levels, chemical quantities, phase times, etc. A data cable is required to connect to the treatment plant for this interface.

ADDITIONAL CONNECTION OF WWTP TO SMART HOME

The domestic wastewater treatment plant TOPAS can be connected to your smart home even after it is already in operation and equipped with the TOM control unit. The TOM control unit includes an inactive data interface with the MODBUS protocol by default. The interface offers easy integration into both new and existing systems, as the Modbus protocol is supported by many control and automation systems. This interface is activated by purchasing a license and activating it. A list of registers and value descriptions is available upon request.

TECHNICAL PARAMETERS

Data interface	RS 485
Protocol	MODBUS - RTU
Address range	1 - 250
Speed	2 400 - 115 200
Parity	S/L/N

EXPANDING THE EXISTING WWTP WITH MODBUS

+ **If the WWTP is equipped with a GSM module**, the activation of the MODBUS protocol will be performed remotely by our technician. Then, the customer will arrange the connection of the smart home with the WWTP control unit on their own.
+ **If the WWTP is not equipped with a GSM module**, a visit from our service technician is necessary. They will activate the MODBUS protocol and route the data interface outside of the control unit. Afterward, the customer will arrange the connection of the smart home with the WWTP control unit on their own.