



xG18

Extension module for 1-Wire temperature sensors

Unipi xG18 extension module

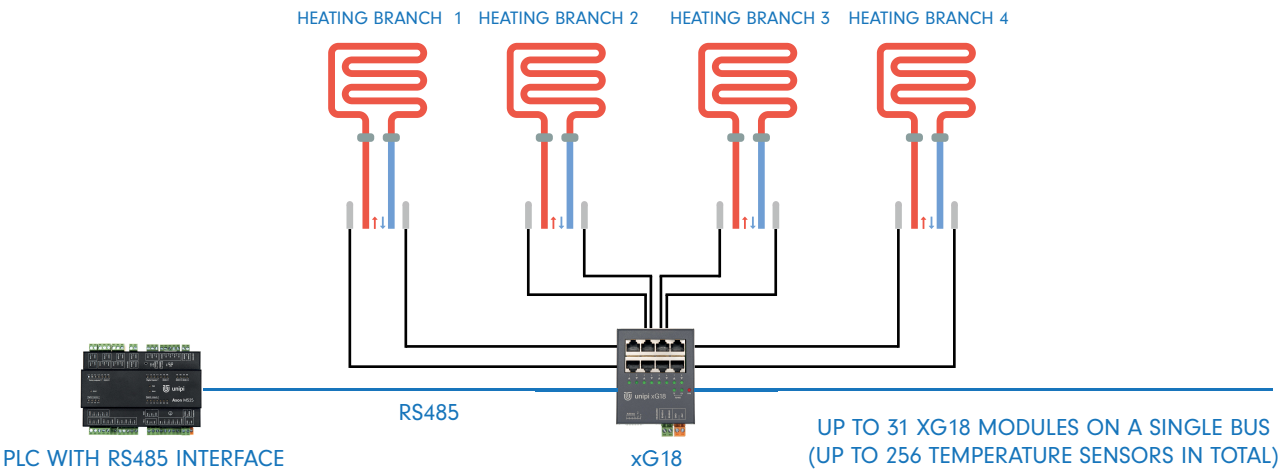
xG18 is a gateway with Modbus RTU / RS485 communication for connecting up to eight Unipi 1-Wire DS18B20 temperature sensors. Although designed primarily for the use with Unipi products, you can connect xG18 to any system or device featuring an RS485 interface and Modbus RTU support.

Product features

- easy connection of up to eight 1-Wire temperature sensors
- separated 1-Wire channels for improved reliability of measuring
- affordable method of temperature measurement
- applicable in any system with RS-485 and Modbus RTU support
- allows for the reduction of cabling, improves the reliability of the controlled system
- possibility to connect up to 32 modules to a single RS485 line



Use case – temperature monitoring



Technical parameters

Power supply	
Rated voltage - SELV	5 – 24 V DC
Reverse polarity protection	Yes
Power consumption	Max. 0,2 W
RS485 interface	
Galvanic isolation	No
Overvoltage protection	Yes
Terminating resistor	Built-in attachable 120 R
1-Wire interface	
Number of channels	8
Sensors per channel	1

Operating and storage conditions	
Storage / operating temp.	-25 °C ... +75 °C
Storage / operating humidity	10 % ... 95 %, non-condensing, non-aggressive
Construction	Aluminum box
Installation	DIN rail – 35 mm (EN 50022)
Protection	IP 20
Power / RS485 connection	Pluggable screw terminals
Sensor connection	RJ45
Power / RS485 wire gauge	Max. 2,5 mm ²
Dimensions	72 x 91 x 22 mm (w, h, d)
Weight	110 g

MORE ABOUT XG18 EXTENSION MODULE