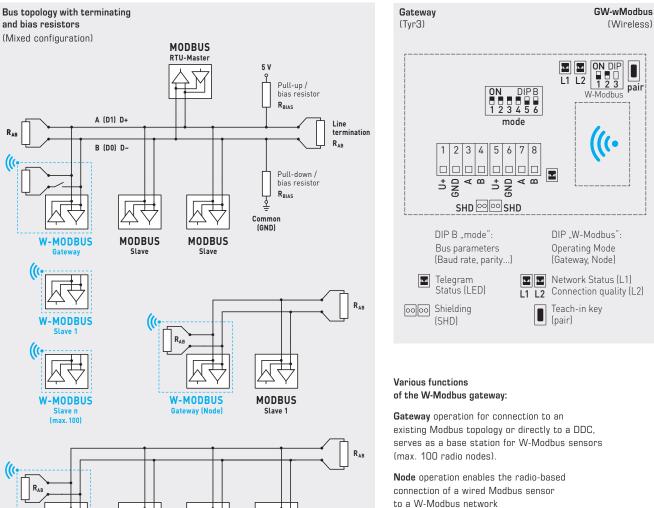
W-Modbus

General bus topology structure with terminating and bias resistors (mixed configuration with W-Modbus gateway)





(max. 1 wired sensor).

Node Pro operation (extended node operation) serves for the radio-based connection of multiple wired Modbus sensors (max. 16 wired nodes).



topologies via the W-Modbus gateway.

W-MODBUS

MODBUS

Slave 1

MODBUS

Slave 2

MODBUS

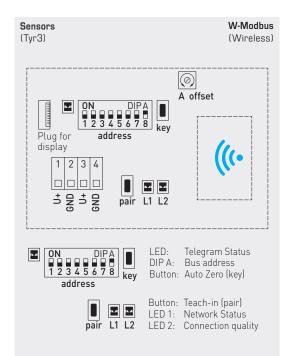
Slave n (max. 16)

@ mail@SplusS.de





General technical data W-Modbus sensors (wireless)



TECHNICAL DATA	
Power supply:	24 VAC (±20 %); 1536 VDC
Power consumption:	< 2 W / 24 VDC; < 3.5 VA / 24 VAC
Electrical connection:	see schematic diagram 0.2 - 1.5 mm², via push-in terminal
Bus address:	without power supply (in powerless mode) configurable and addressable via DIP switch!
Bus parameters:	automatic configuration
Communication:	W-Modbus (wireless Modbus with 2.4 GHz ISM, AES-128 encrypted)
Range:	max. 500 m (open field), approx. 50-70 m (inside buildings) between two wireless nodes
Nodes:	max. 100 radio nodes
Bus protocol:	Modbus (RTU mode), address range 0 247 selectable
Status indicator:	Telegram Status, Network Status, Connection Quality
Display:	The Modbus interface allows the display to be individually configured both in the 7-segment area and in the dot-matrix area.

LED (telegram indication) DIP switch A (bus address) Push-button (auto zero) for manual zero point calibration OFFSET correction W-Modbus module (wireless) for radio-based connection Plug terminal (push-in terminals) Teach-in push-button and additional status LEDs (network status and connection quality) Epidable dieplay (optional)

Foldable **display** (optional), individually programmable display

Cable gland (M20) with seal and strain relief

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