



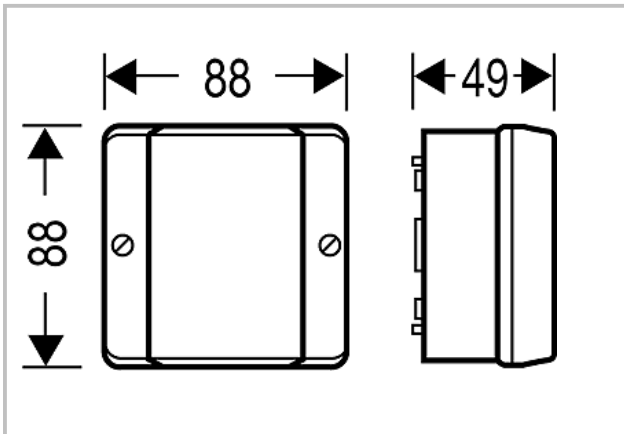
APPLICATION

- Connection of resource meters with pulse output to an M-Bus network (transformation of pulses to M-Bus protocol)
- For all meters with pulse transmitter or open collector output

FEATURES

- Simple installation
- Two independent pulse counters
- Configuration via M-Bus interface using HYDRO-PORT PC-Software
- Physical unit and medium programmable for each input
- Pulse divisor programmable for each input
- Power supply via M-Bus, battery supply if M-Bus fails
- Splash water protected (IP 54)

DIMENSIONS



FUNCTIONAL PRINCIPLE

The HYDRO-PORT Pulse Mini consists of an electronic unit that collects meter information in the form of pulses. These pulse counts are converted into physical units. The data is transmitted via M-Bus protocol to a data concentrator (M-Bus Master).

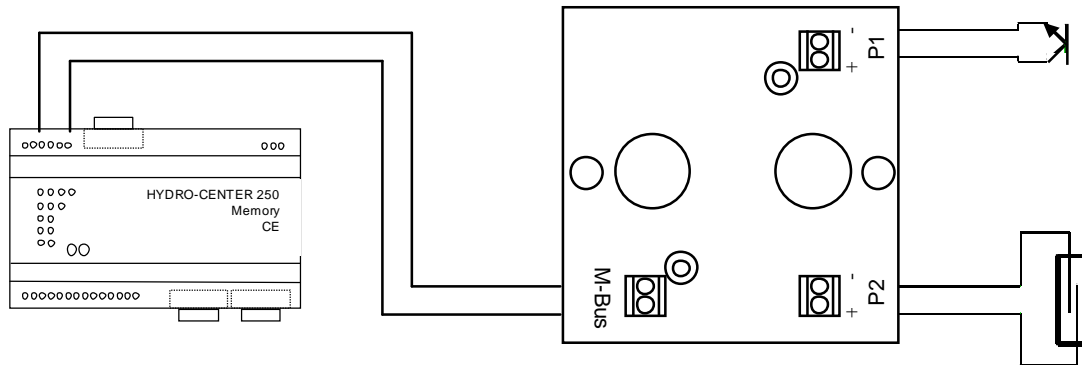
TECHNICAL DATA / INTERFACES

- Input: Two independent pulse inputs / pulse counter, each one with 48 Bit
- Output: M-Bus
- Minimum pulse width: 7,5ms
- Maximum pulse frequency: 50 Hz
- Maximum cable length pulse transmitter – Hydro-Port: 1,5m
- Battery: Lithium 3,6V, Lifetime 7 years (typical)
- CE-approval

ENVIRONMENT

- Temperature range 0 °C up to 60 °C
- Humidity 10 % up to 80 %, not-condensing
- Protection class IP 54

CONFIGURATION EXAMPLE



ORDER REFERENCES

Article	Description	Article number
HYDRO-PORT Pulse Mini	Pulse to M-Bus converter with 2 pulse inputs	535 000 74

ACCESSORIES

Article	Description	Article number
HYDRO-CENTER 25	M-Bus level converter for max. 25 devices, 230 V 50...60 Hz power supply	535 000 93
HYDRO-CENTER 25 Memory	M-Bus level converter / master for max. 25 devices, 2 MByte data logger memory included, 230 V 50...60 Hz power supply	535 000 94
HYDRO-CENTER 25 Solar	M-Bus level converter / master for max. 25 devices, 2 MByte data logger memory included, battery charger for 12 V solar power supply max. 1 A	535 000 55
HYDRO-CENTER 60	M-Bus level converter / repeater for max. 60 devices, 24 V AC/DC power supply	535 000 50
HYDRO-CENTER 60 Memory	M-Bus level converter / master for max. 60 devices, 2 MByte data logger memory included, 24 V AC/DC power supply	535 000 51
HYDRO-CENTER 250	M-Bus level converter / repeater for max. 250 devices, 24 V AC/DC power supply	535 000 52
HYDRO-CENTER 250 Memory	M-Bus level converter / master for max. 250 devices, 2 MByte data logger memory included, 24 V AC/DC power supply	535 000 53
HYDRO-CENTER Power	Power supply for HYDRO-CENTER 60/250, 230 V 50 Hz input, 24 V 50 Hz output, 24 W	535 000 54