AQUATEL

COMPTEURS EAU - ENERGIE THERMIQUE - GAZ

Meters with pulse output at the M-Bus

Integration of conventional meters

Supplied by M-Bus or battery

Battery lasts longer than calibration period

Inputs: Floating contact or S_0

Flexible setup by M-Bus



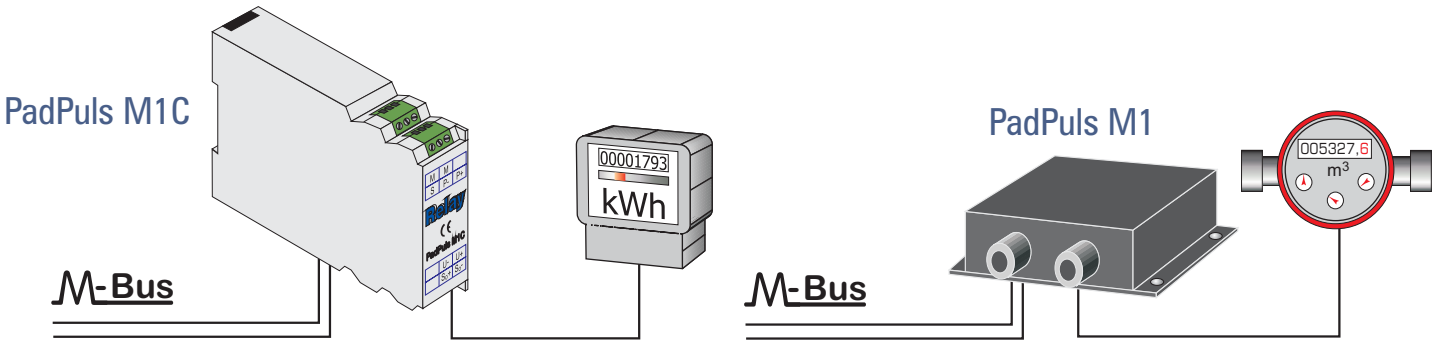
The PadPuls M1 series of devices connects meters with contact output to the M-Bus system. This is a simple and flexible solution for reading already installed counters and measuring meters for electricity, gas, oil, water and heat.

The power for the impulse adaptor is taken from the M-Bus. An integrated battery maintains the count function in case of a bus voltage failure. The capacity of the battery allows operation without M-Bus connection for guaranteed 7 years.

During installation the PadPuls M1 can easily be adapted to the pulse output of the meter. The measured medium, the pulse value, the pulse unit and the initial meter count are nearly free adjustable to the individual meter by setup software. An integrated security feature prevents data configuration after installation without opening the sealed housing.

Universal and flexible:

PadPuls M1



Function of the PadPuls M1

The PadPuls M1 counts energy pulses from the connected meter with contact output. This accumulated meter data can be read out at any time by the M-Bus system.
The setup software allows configuration of the measured medium, the pulse value, the pulse unit and the initial meter count. All parameters are nearly free adaptable to the individual meter.
Simple mounting and setup with the supplied software facilitates installation on-site.
The PadPuls M1 series with two different housings and two different pulse inputs offers the ideal solution for numerous applications.

Available versions of the PadPuls M1

1. PadPuls M1 board version (type IM001):
   One floating contact
   Board without housing for OEM service

2. PadPuls M1 in wall box (type IM001G):
   One floating contact
   Housing for wall mounting

3. PadPuls M1C (type IM001GC):
   One floating contact or
   One S_0 interface (electricity meter)
   Housing for mounting on DIN rail

Technical data

Power supply:	supplied by the M-Bus, switches automatically to battery at bus faillure
Bus operation:	max. 1.5mA (1unit load), no battery charge
Battery expectancy:	only battery operated 7 years
Temperature range:	0 .. 55 °C
Pulse frequency:	max. 20 Hz
Floating contact:	internal supply (3V, 3µA) debouncing time 1ms
S0 according to DIN43864:	auxiliary 12..27VDC, 30mA debouncing time 0.25 ms
M-Bus protocol:	according to EN1434-3
Transmission rate:	300, 2400 and 9600 baud (with Auto-Baud detect)
Addressing:	primary und secondary
Card IM001:	H x W x D = 57 x 71 x 24 mm
Housing IM001G:	wall mounted black plastic H x W x D = 90 x 130 x 43 mm
Housing IM001GC:	rail mounted on TS35 light-grey plastic H x W x D = 26 x 75 x 111 mm

Order information

PadPuls M1 (card)	Art.-No. IM001
PadPuls M1	Art.-No. IM001G
PadPuls M1C	Art.-No. IM001GC

Delivery contains:
PC-software to configure the PadPuls devices

Accessories

Mikro-Master for parameterization	Art.-No. MR003

M-Bus readout software:

Look@M-Bus for Windows95/98/NT	Art.-No. SW006

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