Technical Datasheet

SYCOUS®

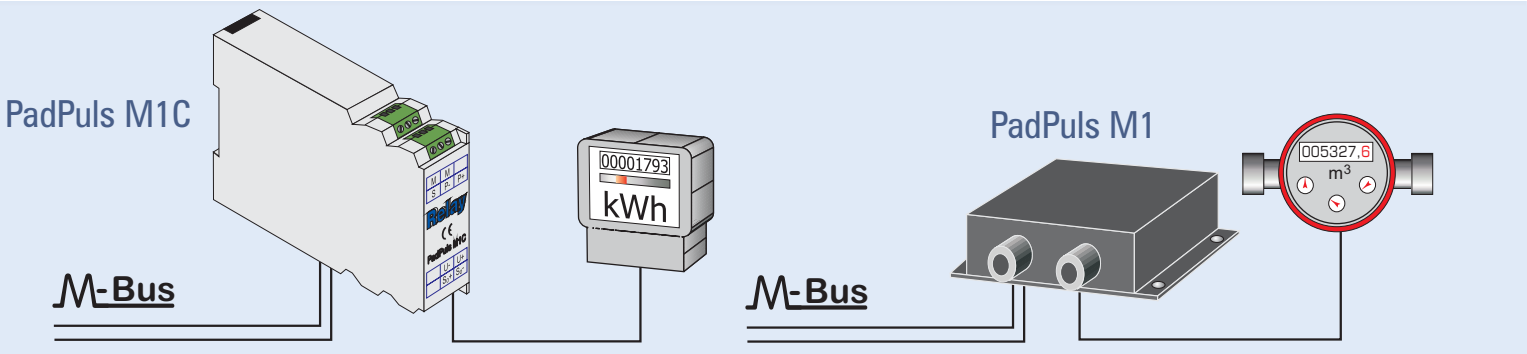
Pulse to MBus Converter 1 Input

Part Code	Name	Input	Output
UK010PD	Pulse to MBus Converter 1 Input	Pulse	MBus

The 1-channel pulse adaptor PadPuls M1 allows the use of meters with pulse output as MBus slaves. The device will convert pulses to MBus output. Can be used with a range of pulsed output meters including water, heat, gas, oil & electric.

Features:

- Power is supplied by MBus, or integrated battery at an MBus failure, needs no power supply unit externally.
- Maximum pulse frequency 20Hz
- Debouncing of pulses
- Adjustable pulse values and pulse unit
- MBus protocol according to EN1434-3
- Onsite programming by MBus, including overwrite protection
- Wall mounted
- Protective class IP 54



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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 MBus 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		
PadPuls M1 board version (type IM001)	One floating contact	Board without housing for OEM service
PadPuls M1 in wall box (type IM001G)	One floating contact	Housing for wall mounting
PadPuls M1C (type IM001GC):	One floating contact or One S interface (electricity meter)	Housing for mounting on DIN rail

Technical Specification	
Power Supply	supplied by the MBus, 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
S_0 according to DIN43864	auxiliary 12..27VDC, 30mA debouncing time 0.25 ms
MBus 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

Accessories	
Mikro-Master for parameterization	Art.-No. MR003
MBus readout software (Look@MBus for Windows95/98/NT)	Art.-No. SW006

Managed Services

Meter Data Management

Billing Solutions

PAYG Management

Online Account Management

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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

Data Collection

Wired Networks

Wireless Networks

IoT Technologies

MBus & Pulse for any network

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