

Level Converter: M-Bus to Modem

HD67023-B2 Serie - Available in 5 versions: 20-40-80-160-250 slaves

The M-Bus (or Meter-Bus) is a bus optimized for the reading of measurement instruments like: energy counters, hot and cold water counters, gas, pressure, sensors and actuators, etc...

A M-Bus system is composed of a Master that acquire data from the counters (Slaves M-Bus) that are connected to the Master through a two wire bus or by wireless

The number of Slaves connected to the bus can change from 1 to 250 (for the maximum length of 350m); for greater distance repeaters are used [serie **HD67032M**].

More and more manufacturer implement the M-Bus interface in their counters, making it the ideal support for the pricing of consumption at distance (GSM/internet/phone line...) of local or distributed heating systems (civil and industrial).

The M-Bus is comply to the standard defined by the EN 1434 normative.

- ◆ ADFweb.com offers some alternative Level Converter products with the use of RS232, RS485, Internet/Ethernet, USB and Bluetooth.

M-Bus Master / Modem

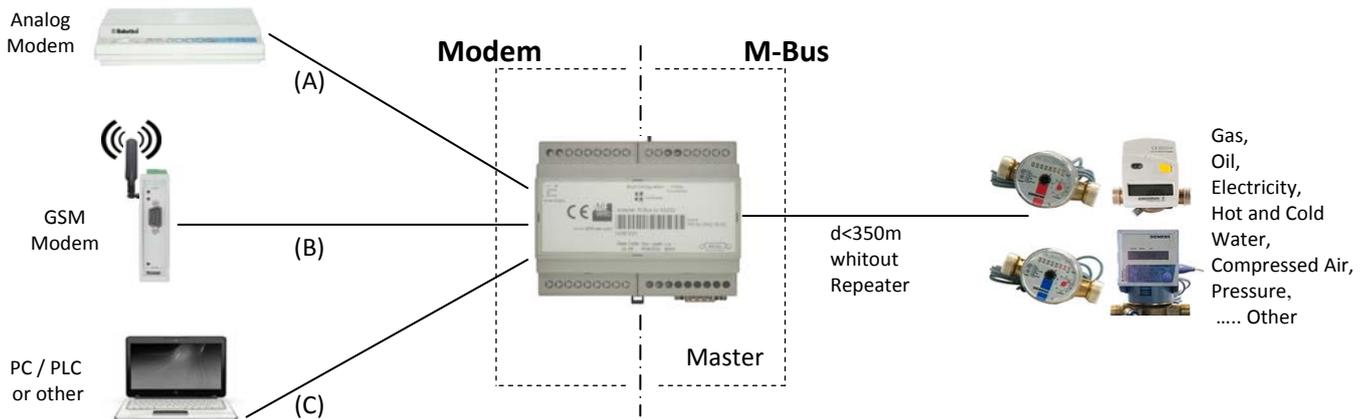
The products of HD67023-B2 serie are level converters that allows to communicate with the Slaves M-bus remotely, using or an Analog Modem or a GSM Modem. Moreover it is possible to connect directly to the device using a Null-Modem serial cable.

The HD67023-B2 allows to develop the own software for register and process the data (for example for the charging users); or use the existing programs.

The M-Bus is able to powering from up to 250 slaves.

The microprocessor control guarantees a stable communication with the slaves M-Bus.

- European standard EN 1434
- Microprocessor control
- Scalable from 1 to 250 slaves
- Galvanic isolation between RS232 (Modem connection) and M-Bus
- 35 mm DIN rail mounting
- Settable transmission speed from 300 to 38400 baud



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Order Code	HD67023-B2-20 20 slaves	HD67023-B2-40 40 slaves	HD67023-B2-80 80 slaves	HD67023-B2-160 160 slaves	HD67023-B2-250 250 slaves
Technical data:					
Operating voltage:	18V .. 35V DC 15V .. 21V AC				
Consumption single slave:	1,5 mA				
Min / Max load consumption:	3,5W / 4W	3,5W / 5W	3,5W / 8W	3,5W / 14W	3,5W / 30 W
M-Bus voltage (without load):	38V	38V	38V	38V	38V
Max. M-Bus quiescent current:	30mA (20 unit loads)	60mA (40 unit loads)	120mA (80 unit loads)	240mA (160 unit loads)	375mA (250 unit loads)
Overcurrent threshold:	250mA	250mA	250mA	500mA	500mA
Transmission speed RS232:	300 .. 115.200 baud				
Transmission speed M-Bus:	300 .. 38.400 baud				
Galvanic Isolation to M-Bus	yes	yes	yes	yes	yes
Temperature range °C [°F]:	-40/+70°C [-40/+158°F]				
Dimensions DxWxH	106x60x95 mm	106x60x95 mm	106x60x95 mm	106x63x95 mm	106x75x95 mm



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QR—quick response
(matrix code)



info M-Bus Master HD67023-B2