HD67029-B2 (20-40-80-160-250 slaves)

Protocol Converter: Modbus to M-Bus

Protocol Converter HD67029-B2 serie:
Produced by ADFweb.com, is used like language converter from Modbus Protocol to M-Bus and ice-versa, for read M-Bus instruments (Slave) from a Master Modbus

Modbus:
Is the protocol most frequently used in the industrial and civil automation for the communication with several devices connected in the same net.
Defines the format and the communication mode between a Master, that control the system, and one or more slaves that answer to the master queries.
This can be, for example, a system for measuring temperature, humidity, pressure, hot and/or cold water , etc. .. and allows communication with PC/ PLC.
There are two types of Modbus, divided into the serial RTU and ASCII, and the one on Ethernet, the Modbus TCP.

M-Bus:
Is a specific protocol used for the reading of Energy, hot and cold water, gas, pressure, etc. … of counters and totalizers.
Usually the M-Bus uses a specific physical connection (Physical Layer), but in some cases it uses a RS232 or RS485 [see HD67055].

Other Soluction Protocol Converter Modbus / M-Bus:
Several solutions implemented to cover all the cases presented by the market:
- M-Bus / Modbus, for read Modbus instruments [slave] from a Master M-Bus [see HD67059-B2];
- Modbus / M-Bus, for read M-Bus instruments [slave] from a Master Modbus but with the Slaves M-Bus on RS232 or RS485 [see HD67055];
- Modbus / M-Bus, MultiMaster M-Bus allows to read M-Bus Slaves simultaneously from a Master M-Bus and from a Master Modbus [see HD67063].

Modbus to M-Bus HD67029-B2
The products of HD67029M series are protocol converter between Modbus and M-Bus. The Modbus connection is through RS232 or RS485.
The converter is Slave at Modbus side and Master at M-Bus side.
The M-Bus Master allow to connect and to feed up to 250 slaves for leght of 350m.
For longer lengths, or with more than 250 slaves, the use of repeaters field [HD67032-B2 series] is suggested.

- European standard EN 1434;
- Microprocessor control;
- Scalable da 1 a 250 slaves;
- Galvanic isolation between Modbus and M-Bus;
- 35 mm DIN rail mounting;
- Settable transmission speed from 300 to 38400 baud;
- AC/DC Power supply.

Quick **PRICE**

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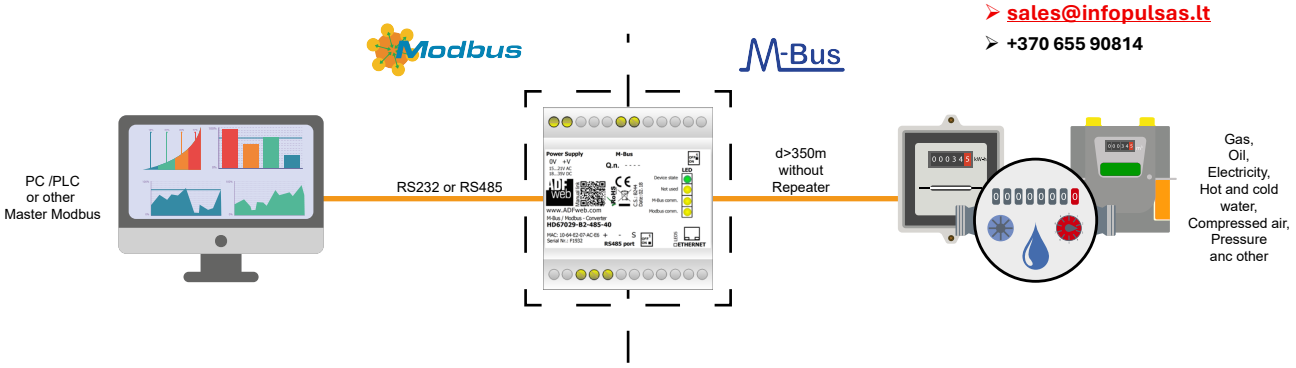

Order Code Technical data:	HD67029-B2-20 20 slaves	HD67029-B2-40 40 slaves	HD67029-B2-80 80 slaves	HD67029-B2-160 160 slaves	HD67029-B2-250 250 slaves
Operating voltage:	18V .. 35V DC 15V .. 21V AC	18V .. 35V DC 15V .. 21V AC	18V .. 35V DC 15V .. 21V AC	18V .. 35V DC 15V .. 21V AC	18V .. 35V DC 15V .. 21V AC
Consumption single slave:	1,5 mA	1,5 mA	1,5 mA	1,5 mA	1,5 mA
Min / Max-load consumption:	3,5W / 4W	3,5W / 5W	3,5W / 8W	3,5W / 14W	3,5W / 30W
M-Bus voltage (without load):	34V	38V	38V	38V	38V
Max. M-Bus quiescent current:	30mA	60mA	120mA	240mA	375mA
Overcurrent threshold:	250mA	250mA	250mA	250mA	250mA
Transmission speed RS232/RS485:	1200..115.200 baud	1200..115.200 baud	1200..115.200 baud	1200..115.200 baud	1200..115.200 baud
Transmission speed M-Bus:	300..38.400 baud	300..38.400 baud	300..38.400 baud	300..38.400 baud	300..38.400 baud
Galvanic Isolation to M-Bus:	yes	yes	yes	yes	yes
Temperature range °C / °F:	-40/+70°C	-40/+70°C	-40/+70°C	-40/+70°C	-40/+70°C
Dimensions DxWxH:	95x71x60 mm	95x71x60 mm	95x71x60 mm	95x71x60 mm	95x71x60 mm

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QR - quick response (matrix code)

info Modbus to M-Bus HD67029M serie