



HART Modem

Simply connect across any HART loop with one or more transmitters

Inbuilt Sense Resistor

The optionally selectable inbuilt loop resistor simplifies installation

RS232 and RS422 interface

Connect with either RS232 or RS422 interface standards.

Compatibility

Compatible with PACTware, FieldCare, PDM and other packages

Product description

The RMC-SHM is a DIN rail mount single channel HART modem module designed for industrial applications. The module is intended to be used in conjunction with a PC or laptop computer running standard or proprietary software such as PACTware or FieldCare to configure, maintain and manage HART capable process instruments. Communication between the PC and the module is via the RS232 or RS422 serial interface. An inbuilt current sense loop resistor is user selectable. The device requires power from a 24V DC supply.

Note that the RMC-SHM does not provide loop power, which must be provided externally.



RMC PRODUCT

This product is a member of the RMC range and shares a common design, connection and installation philosophy with other members.

For further information on this product series please visit our website and search for RMC

Product

Technical Data

Computational

None

H.A.R.T Interfaces

Quantity: 1
Type: Primary/secondary Master
Multi-drop support: Yes

Serail Ports

Quantity: 2
Type: RS232 (4 wire :TX,RX,CTS,RTS)
RS422 (4 wire :TX+, TX-, RX+, RX-)

Interface Protocols

Raw HART modem

Power

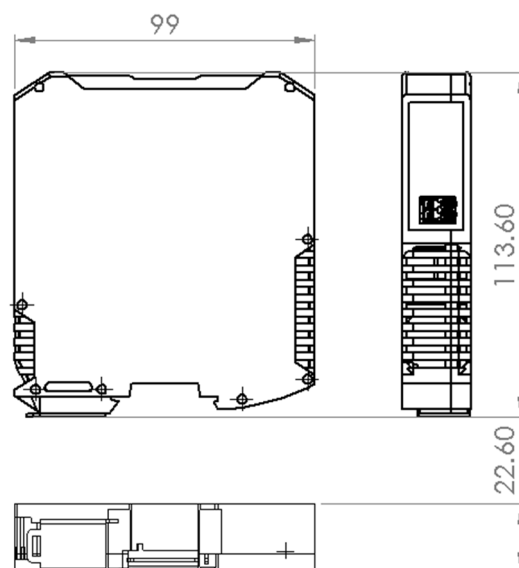
Nominal Voltage: 24V nominal (+7 to 36)
Power: < 1W

Connectors

Serail Plug accepting 1.5mm² cable
Loop and sense R Plug accepting 1.5mm² cable

Mechanical

Type: Snap-on DIN rail mounting
Rail compatibility: DIN EN 60715 TH 35
Material: Flame retardant PA 66
(UL 94 V-0)



Environment

Operating: -40 to +85 °C Ambient
Storage: -50 to +125 °C
Humidity: 5 to 90 % non condensing
Altitude 12,000 feet

Certification

Europe CE in accordance with
EN ISO 17050-1:2004
USA Class A device, pursuant to
part 15 of FCC regulations
Canada Compliant with ICES-003

RAP SYSTEMS

dti

AWARD WINNERS

20 Holbeck Avenue
Scarborough
North Yorkshire
YO11 2XQ
United Kingdom

T: +44 3333 440 081
F: +44 3333 440 082
E: sales@rapsystems.co.uk