



Modbus approved



RS485 interface



Up to 31 actuators
over 1200 meters per line



Up to 247 actuators
with repeaters



Can be integrated into
any type of network
via gateways



Removable termination
resistor included



Full compatibility with:
standard ER PLUS, VR and VS
ATEX models (VRX, VSX)
low temperature models (LT)
DNV-GL approved models (DV)



For electric actuators
from 12 to 240 V
and 10 to 300 Nm

Fieldbus communication protocol

Designed for **Valpes electric actuators** and based on RS485 serial link

A simple and effective technical architecture

The “master-slave” architecture of Modbus-RTU offers great operating flexibility. Each RS485 line makes it possible to associate a master device and 31 slaves over a maximum distance of 1200 meters. Using repeaters, Modbus-RTU allows the connection of 247 actuators to a PLC.



An easy integration with existing installations

The deployment of a Modbus-RTU actuator network requires very little infrastructure, that's only the addition of a serial link cable compatible with the EIA-485 standard.

An access to any type of network via gateways

Valpes Modbus-RTU actuators can be integrated into any existing PLC network, using different communication protocols.

The gateways allow a conversion to:

Modbus TCP/IP	Profibus DP	Profinet
Ethernet/IP	Profibus PA	CANopen

A high reliability

Modbus incorporates an error verification code named “ cyclic redundancy check “ or CRC, relating to all the frames sent. In the event of a weak electrical signal, an error may occur; in which case the message will be reissued until it is correctly understood.

