

Anybus Communicator – AB7009

LonWorks to Modbus RTU Serial Gateway

The Anybus Communicator LonWorks Gateway (ABC-LON-RTUslave) is a unique product that can bridge the communication gap with LonWorks networks and conventional Modbus RTU based systems & devices. The product can, via the "LWtool" PC-based configuration utility program link data between devices located on a LonWorks Network and devices on a Modbus network. The LonWorks side of the product is fully compliant with the Lonworks network variables (SNVT's) and can be set up to produce or consume almost any network variable. The Modbus side of the product supports the classic Modbus registers for Input and Output data."



The Communicator Gateway supports RS232/422/485 on the serial side and Free Topology Network on the LonWorks side.

ABC-LON-RTUslave

The Communicator is a SLAVE on the Modbus RTU side. This means that you connect this to a Modbus network which has a Master connected. The configuration of the module is simple and you can do it yourself with a configuration tool in windows environment.

The Communicator also has the possibility to function as a MASTER on the Modbus RTU side. If this is necessary HMS can provide a custom implementation. The Master functionality means that you connect the Communicator to a Modbus network which has one or many SLAVES. The configuration of the module is made by HMS and has to be done in co-operation with you!

The delivery comes complete with a DSUB connector with screw terminals for the serial sub-network, RS232 Configuration Cable and a short Installation Leaflet for the electrical installation.

KEY FEATURES

- Support for Modbus RTU Slave
- Up to 256 input + 256 output LonWorks Network Variables / Modbus Word Registers
- RS232/422/485 selection possible
- Special LW Config Tool available for Network Setup (Free Demo available)
- CE, UL & cUL marked
- Amount and type of network variables configurable, data linking between LonWorks variables (SNVT's) and ModBus Registers
- Support for self installation
- FTT-10 Echelon Smart Transceiver for better immunity from magnetic and high-frequency common mode noise
- DIN-rail mountable - PE via DIN-rail

TECHNICAL SPECIFICATIONS

Size: 120 mm x 75 mm x 27 mm

Power Supply:	24 VDC
Temperature:	0 to +55°C
Current Consump:	Max 30 mA
Baud Rate:	78 kbit/s (FT-X1 Free Topology)
Sub Baud Rate:	1.2, 2.4, 4.8, 9.6, 19.2, 38.4, 57,6 kbit/s
I/O Input:	256 Word Registers
I/O Output:	256 Word Registers
Mech Rating:	IP20
Profile Support:	LonMark objects and profiles are configurable
Supp Features:	Customizeable network variables
Config Method:	ABC LWtool Modbus for Windows
Appl Interface:	RS232/422/485
LonWorks Tranceiver:	FTT-10 Echelon Smart Tranceiver
Config Tool:	018280 (Order code for CD with LW Tool ABC LON configuration tool)
Included accessories:	Configuration Cable RS232, DSUB with screw terminals for Sub-Network, Installation Leaflet.
Order Code:	AB7009