

Pocket Guide LonWorks to Modbus RTU Gateway

Rev 1.0

DOC. ABC-LON-RTU SLAVE



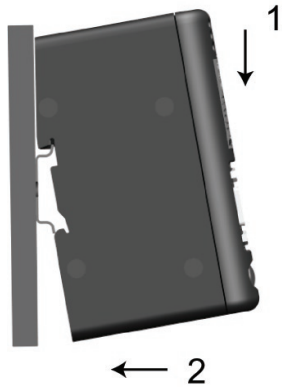
LED No.	Description	Color	Function
1.	Service	Green	Flashing Green: This node has an application but is not yet installed in a network (unconfigured). Off: This node is configured and installed in a network. Solid Green: This node is unconfigured and applicationless. Indicates errors detected by the Neuron Self-Test routine.
2.	Wink	Red	Off: Normal state Flashes Red: A wink command is received on the LonWorks network.
3.	Not used	-	-
4.	Module Status	Green/Red	Solid Green: The module has been initiated correct and is working ok. Flashes Red: Software error. Restart the module. Solid Red: A hardware error has occurred.
5.	Modbus activity	Green/Red	Solid Red: at start and if no Modbus messages have been received for more than 5 sec. Solid Green: after receiving correct Modbus message and correct start-up
6.	Config error	Green/Red	Solid Green: Normal state Flashes Red: No configuration saved in the gateway

HMS Industrial Networks

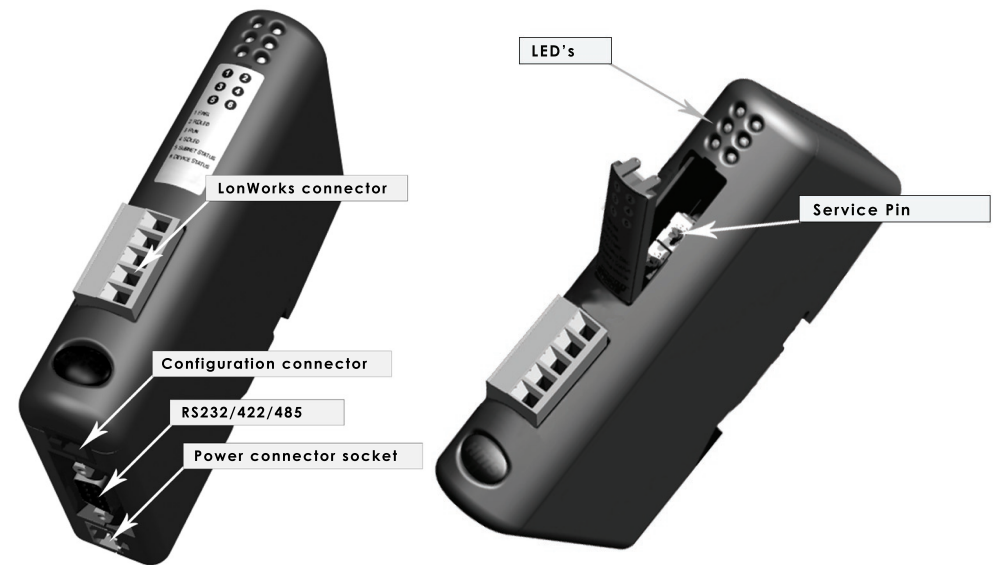
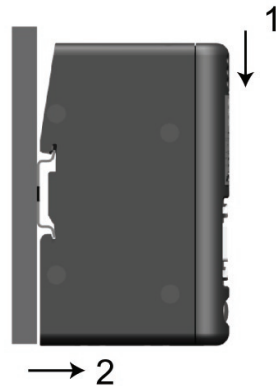
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A - Snap ON



B - Snap OFF



Installation and Startup Summary

This installation instruction requires that the *LW-tool Modbus* configuration program is installed on the computer aimed for the configuration of the Gateway. (*LW-tool Modbus* is available on the Gateway LMS Resource CD or the website of HMS, www.hms-networks.com)

1. Snap the Gateway on to the DIN-rail
2. Connect the LonWorks cable
3. Connect the serial RS232/422/485 cable
4. Connect a PC using the Configuration cable
5. Connect the power cable to the Gateway
6. Start the LW-tool Modbus program on the computer
7. Apply 24VDC power to the Gateway
8. Configure the Gateway with LW-tool, see separate instructions for LW-tool Modbus configuration program

Pin	Description
1	+24V DC
2	GND

Pin	Description	RS232	RS422	RS485
1	+5V	✓	✓	✓
2	RS232 Rx	✓		
3	RS232 Tx	✓		
4	Not connected			
5	Ground	✓	✓	✓
6	RS422 Rx +		✓	
7	RS422 RX -		✓	
8	RS485 +/RS422 Tx+		✓	✓
9	RS485 -/RS422 Tx-		✓	✓

Pin	Description
1	Shield
2	-
3	-
4	Net B
5	Net A

