

# Pocket Guide LonWorks to Modbus RTU Gateway

Rev 1.0

DOC. ABC-LON-RTU SLAVE



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

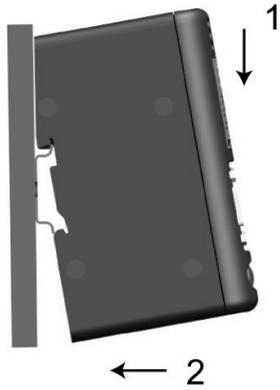
## HMS Industrial Networks

Germany +49 - 721 - 96472 - 0  
 Japan +81 - 45 - 478 - 5340  
 Sweden +46 - 35 - 17 29 20  
 U.S.A +1 - 773 - 404 - 2271

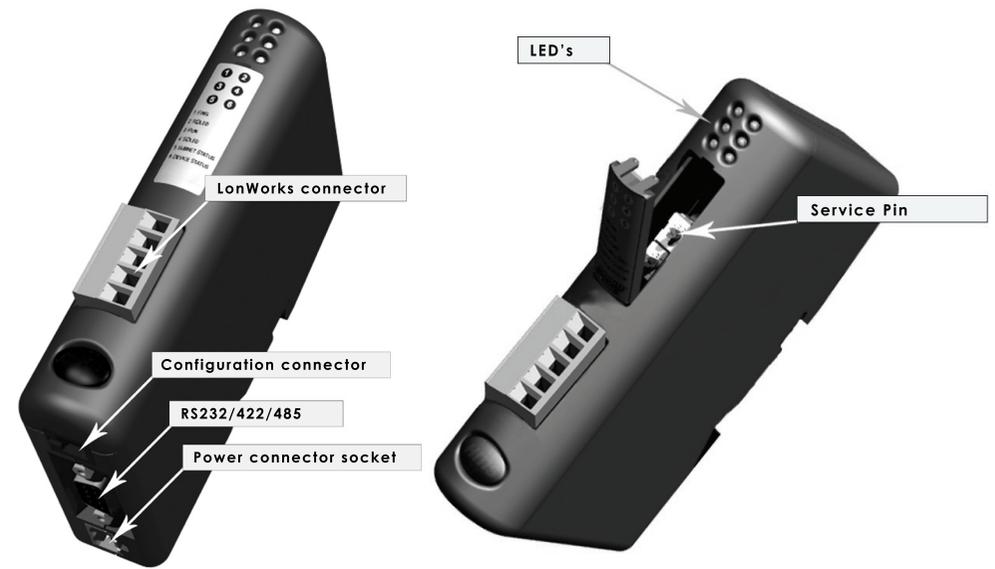
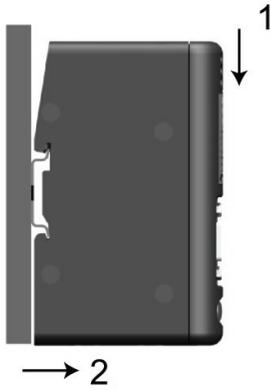
sales-ge@hms-networks.com  
 sales-jp@hms-networks.com  
 sales@hms-networks.com  
 sales-us@hms-networks.com



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](http://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

