

# Pocket Guide LonWorks to Modbus RTU Gateway

Rev 2.0  
SP0935

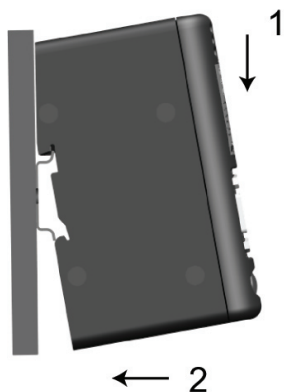
LED No.	Description	Color	Function
1	Service	Green	<b>Flashing Green:</b> This node has an application but is not yet installed in a network (unconfigured).  <b>Off:</b> This node is configured and installed in a network.  <b>Solid Green:</b> This node is unconfigured and applicationless. Indicates errors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



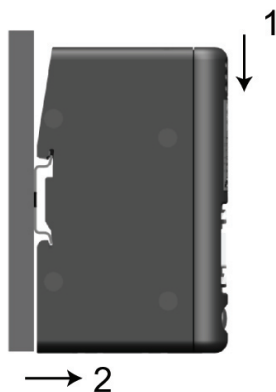
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A - Snap ON



B - Snap OFF



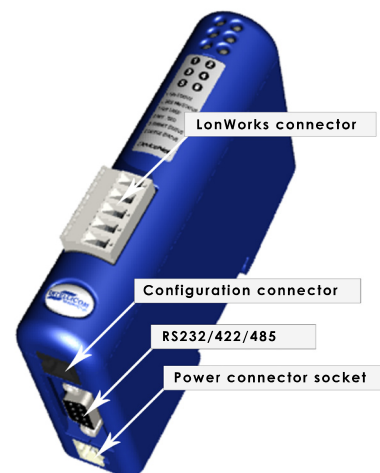
## Installation and Startup Summary

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 LMS Resource CD)

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



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Pin	Description
1	Vin + 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

