



MOUNTING AND INSTALLATION

The GML20 LonWorks® interface module enables communication between a LonWorks® network and GM20 series transmitters over a twisted pair.

1. Open the transmitter cover. Remove the jumper from the pin connector at the center of the circuit board.
2. Pull the two output wires through the hole at the bottom of the housing. When connecting them to the screw terminal marked 'NET' of the GML20, hold the module in one hand and make connections with the other (see Figure 1). The polarity can be freely selected. Note that as all NDIR transmitters consume power, an additional power supply is always needed. Check that the nominal 24 V supply is connected between terminals + and - on the transmitter's mother board. Analogue output signals can be used simultaneously with the LonWorks® module.
3. Install the module on the 2- and 5-pin connectors as indicated in Figure 2.

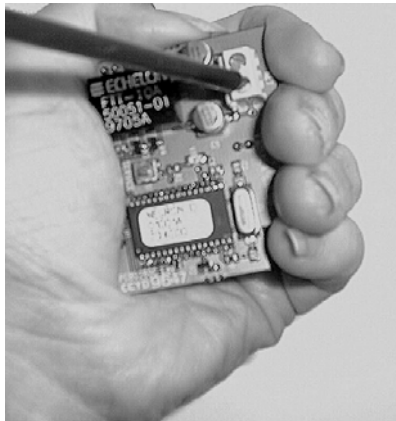


Figure 1: Connecting the wires to the GML20 module

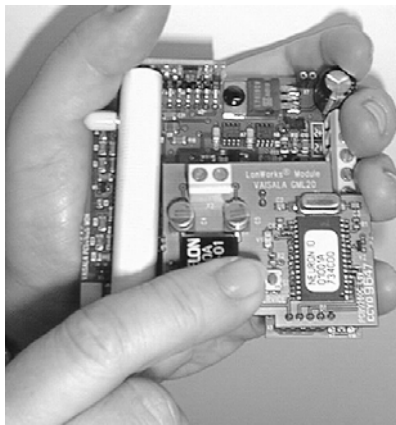


Figure 2: Installing the GML20 module

4. When configuring the transmitter, press the blue service button (marked SERVICE) on the GML20 module and the transmitter sends its service pin message to the configuration unit. The service LED lights up when the button is pressed. After configuration, close the transmitter cover. During normal operation, the LED indicates the following:

dark = the transmitter configuration and operation are in order

lit = there is something wrong with the transmitter

blinking = the transmitter has not been configured (delivered in this mode)

5. Close the transmitter cover.

TECHNICAL DATA

LonWorks® interoperable

twisted pair free topology network type TP/FT at 78 kbs

additional two wires needed for powering the transmitter

can be connected to both powered and non-powered networks

external interface (.xif) file available on request (part no. 19412GM)

GUARANTEE

Vaisala issues a guarantee for the material and workmanship of this product under normal operating conditions for one (1) year from the date of delivery. Exceptional operating conditions, damage due to careless handling and misapplication will void the guarantee.