



MOUNTING AND INSTALLATION

The GML20T LonWorks® interface module enables communication between a LonWorks® network and a GMW21 transmitter over a twisted pair. The carbon dioxide is measured by a GMW21 transmitter and the temperature by the GML20T module itself.

1. Open the transmitter cover and remove the jumper from the pin connector at the center of the circuit board.
2. Pull the two network wires through the hole at the bottom of the housing. When connecting them to the screw terminal marked 'NET' of the GML20T, 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.

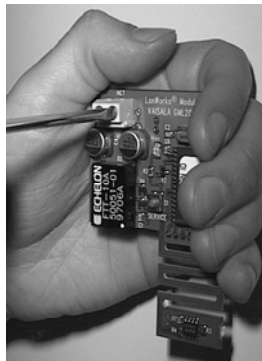


Figure 1: Hold the module in hand while connecting the wires

3. Install the module on the 2- and 5-pin connectors as indicated in Figure 2. Make sure that the wires are between the module and the transmitter board before pressing the module in place.



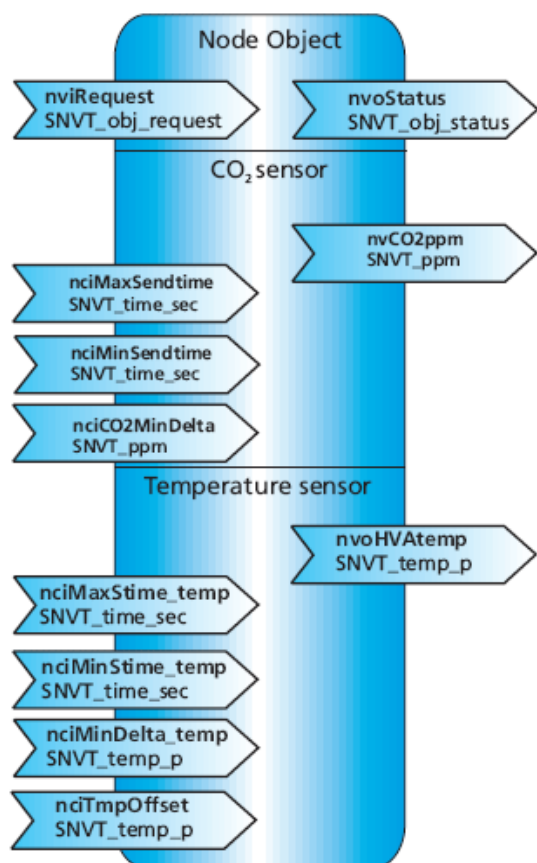
Figure 2: Installing the GML20T module

- Configure the transmitter using a suitable installation software (an external interface file is also available as an option). The GML20T module has a service button for easy installation. A Wink message lights the service led up for approximately 5 seconds. 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)

- Close the transmitter cover.

NETWORK VARIABLES



TECHNICAL DATA

LonWorks® interoperable
 Twisted pair free topology
 network type TP/FT-10 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.
 19748GM)
 Temperature measurement
 accuracy $\pm 0.5^{\circ}\text{C}$
 Temperature measurement range
 $0 \dots +45^{\circ}\text{C}$
 Warm-up time 30 min

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.