

Installation of the Network Master Unit

This article explains how to install and connect a Monika Network Monitoring Unit, also known as an NMU.

Removing Cover and Processor Board and Mounting, unscrew the two cover retaining screws on the lower wall of the case. Lift the cover in the direction of the arrows.

CAUTION: The cover is joined to the internal components by a wire loom, which powers the external LED's.



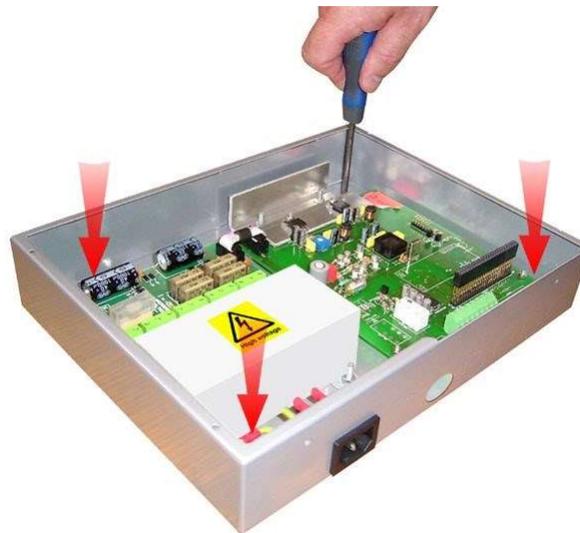
Making a hole for the connections. Knock through one or more of the knock-through ports as required.



Remove the Processor Board. Remove the four M3 screws that locate the processor board then remove it by carefully pulling towards you to disengage it from the 50-way connector.



Mounting the NMU, use the template to pre-drill the wall to mount the NMU in the desired location. Screw the NMU to the wall at the four points indicated above. Ensure that the location has enough clearance around the NMU to allow the fitment of the lid retaining screws and any cable exits.

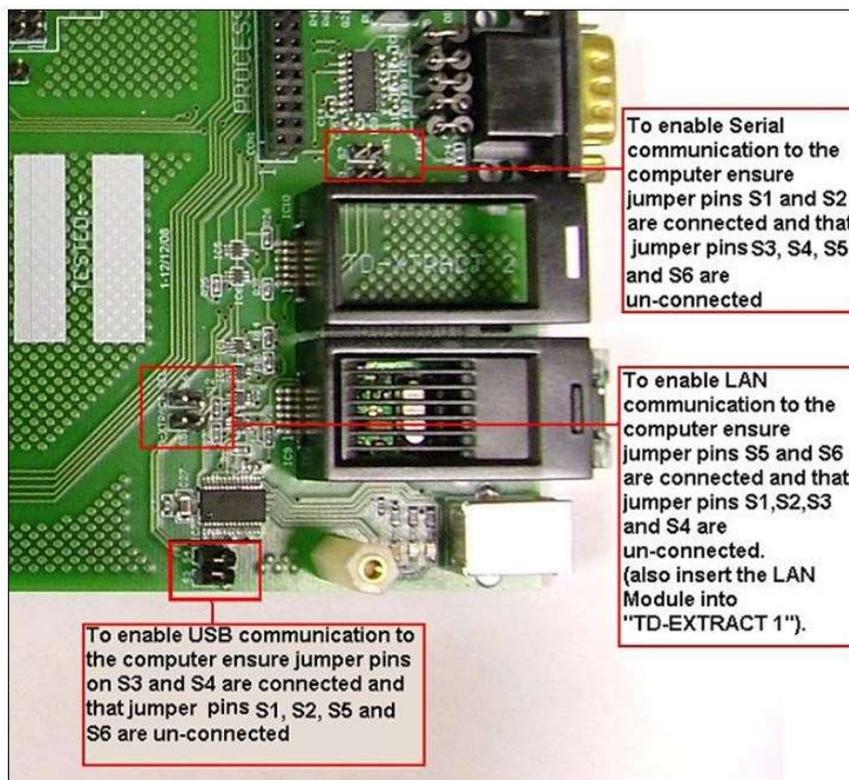


Connecting the NMU

NMU to PC Communication Method. Before replacing the processor board you must select which method of NMU to PC communication should be used i.e. USB, Serial or LAN.

WARNING : Only one communication method should be enabled.

- To set the NMU to PC Comms to Serial remove the jumper pins from either S3 and S4 or S5 and S6 and place on S1 and S2.
- To set the NMU to PC Comms to USB remove the jumper pins from either S1 and S2 or S5 and S6 and place on S3 and S4.
- To set the NMU to PC Comms to LAN remove the jumper pins from either S1 and S2 or S3 and S4 and place on S5 and S6.

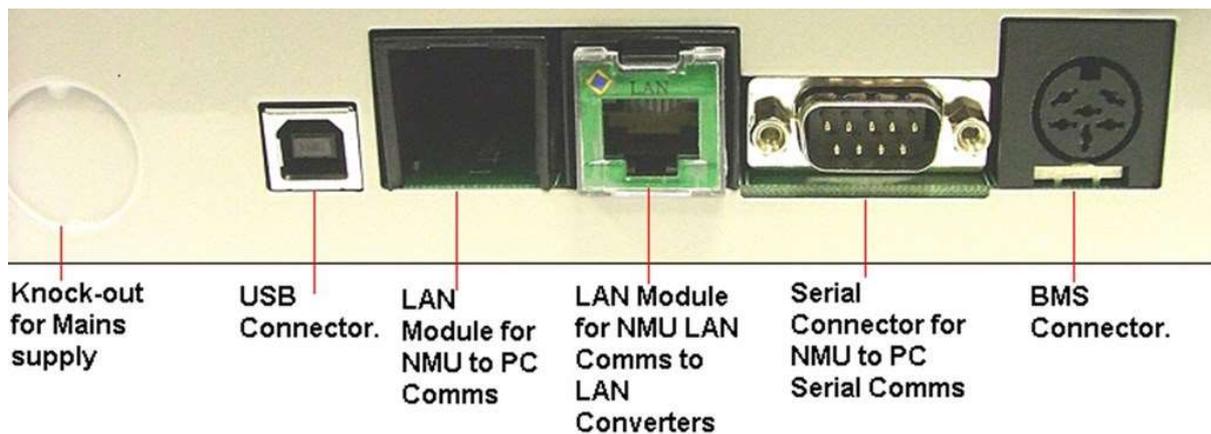


Replace the processor board, ensuring that the 50-way connector is correctly aligned, and refit the mounting screws.

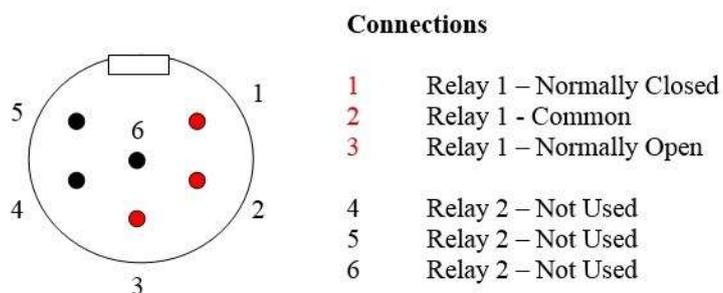


Replace the NMU cover by locating the three tabs on the cover into the slots on the case, and then rotate in the direction of the arrow. Replace the cover retaining screws. Connect the External Antenna if applicable and connect the NMU to the PC via a 9-Way Serial Lead or USB "B" to USB "A" Lead or Ethernet Patch Lead.

Base NMU Connections. The image below shows all the available connections on an NMU.



Interfacing the Monika NMU to BMS, The Monika NMU (Part 2001) is equipped with a volt-free alarm contact to allow connection to other alarm systems. The contact will change state if an unacknowledged high temperature or communication alarm persists for more than a given period, or if the power to the NMU is lost. Custom alarm strategies can be set up so that BMS alarms are only active between specific periods for specific cabinets. When connected, the alarm contact will only provide an indication that an alarm exists, it will not provide a temperature signal; the user will have to view the alarm in Monika PC in order to establish the specific alarm. The alarm contact socket is a 6-pin DIN socket situated on the base of the NMU on the right hand side with the connection details given below:



View of BMS socket on base of NMU

BMS DIN Connector, (suitable type: RS Components Part Number: 491-162). Solder 2 wires to PINs 2 and 3 on the connector and then reconstruct the connector.

