

Technical Note



Connecting Multiple HGM300 Monitors to a Personal Computer

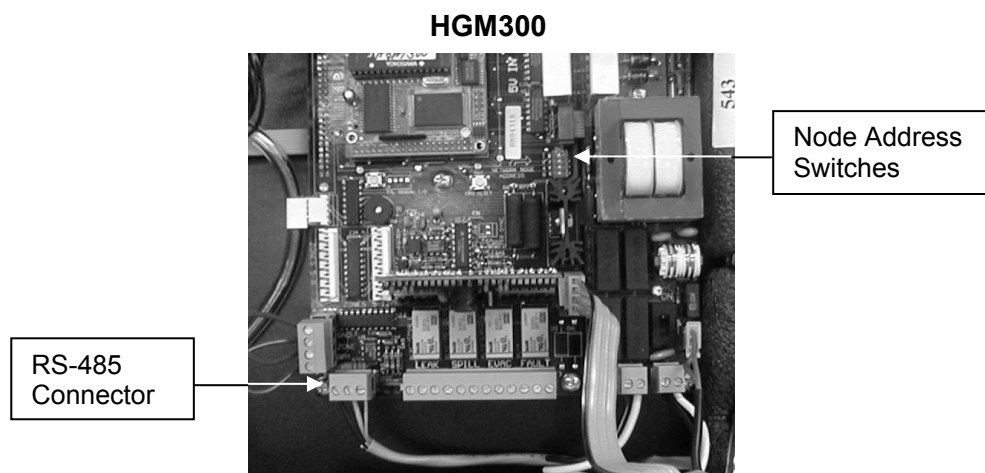
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The HGM300/RDM800 Refrigerant Gas Monitoring System Instruction, 3015-4148, describes how to connect a personal computer to a **single** HGM300 monitor using the monitor's RS-232 connector. A desktop or notebook computer, however, can be connected to **multiple** HGM300 monitors using an RS-232 to RS-485 converter, and the RS-485 connector in the HGM300.

The HGM300 monitors are first connected together in series ("daisy chained") using their RS-485 connectors, and the computer's serial port is then connected to the first monitor's RS-485 connector via the RS-232 to RS-485 converter. An RS-232 to RS-485 converter can be obtained from B&B Electronics (<http://www.bb-elec.com>), their part number 485SD9TB.

Each HGM300 monitor must have a different node address to enable the software to select the proper monitor.



After all electrical wiring connections have been made, open the software and attempt to acquire communication with the monitor. If the software times out: go to EDIT, select SYSTEM, go to NODE and press Enter. Change the software's node address to correspond to the node address of the HGM300 that you want to connect to, press Enter, and then press the Escape key. Select YES to upload the change and establish communications with the desired HGM300.

To select other monitors, change the node address in the software to match the node address of the monitor you wish to connect to.

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