

CONNECTING MINI ONE AND PMCG MACHINES TO THE BMS

All of Preservatech's products are ready to connect using Wi-Fi to our Internet monitoring service. Connection is executed by a local Wi-Fi network and require gateway to Internet connection with our monitoring server.

Although our devices are not designed to work directly with other monitoring systems/ BMS's, it is possible to do this using Modbus/RTU RJ45 connector on Mini One or PMCG machine.

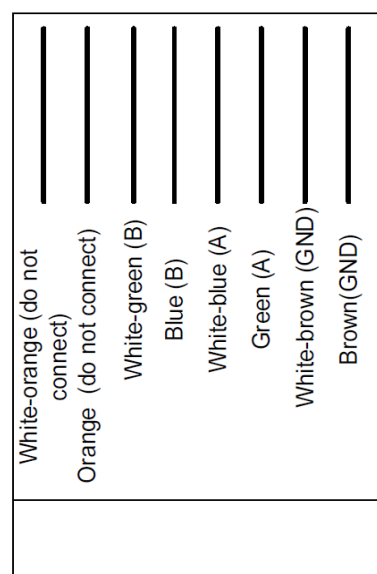
IF THIS OPTION WILL BE USED, IT IS NOT POSSIBLE TO CONNECT MACHINES IN MASTER/SLAVE MODE. RJ45 CONNECTOR IS NOT ETHERNET.

1. Cable can be connected to RJ45 connector on machine (See pinout below).
2. Use market available Bridge device from Modbus/RTU to local network with needed protocol (eg. BACNET/IP or Modbus/TCP)
3. It's up to museum IT staff to implement this System and use data sent from Preservatech's controller.
4. Modbus/RTU parameters: Baud 9600, Data bits: 8, Stop bits: 1, Parity: none.

Modbus Addressing

Address	Meaning	
0x2000	Device Mode 0-PID, 1-HUM	r
0x2001	Humidity * 10	r
0x2002	Temperature * 10	r
0x2100	Humidity Preset * 10	rw
0x2101	Humidity Alarm Error Offset * 10	rw
0x2200	Tempearture Error * 10 (used for air pump)	rw
0x2201	Temperature Alarm Error Delay (used for air pump)	rw
0x2300	PID kP	rw
0x2301	PID kI	rw
0x2302	PID kD	rw
0x2500	WiFi Send Interval (sec)	rw
0x2501	External SD Log Interval (sec)	rw

RJ45 Pinout



RJ-45. RS485. View from contacts side