2. Start-up quick guide

Reading this quick guide does not replace the in-depth and thorough study of this manual

This chapter is intended for users who already have good knowledge of the device and need a quick reference guide for commissioning the device. For further details see the following chapters.

1. Check the use for which the appliance is intended: used with the ventilated heat exchangers equipped with adiabatic panels (A.P.), in order to dose the amount of water supplied to the A.P.s according to fan speed. Controlled by an analog 1-10 Vdc signal proportional to fan speed, see Chapter 1

2. Install the device following the instructions in para. 3.1**.**

3. Make the electrical power and signal connections, check that they are carried out correctly and correspond to the use for which the device is intended, as defined above.

   - **Power supply:** IP00 inside panel version, see paragraph 3.2

   - **1-10 Vdc command signal from master controller:** connected to **M1** terminal board (see paragraph 3.3.1)
     - to RGM or ECP controller see paragraph 3.3.1.2
     - to ECM or DSV controller see paragraph 3.3.1.3

   - **Analog transducer inputs**: connected to **M1** terminal board (see paragraph 3.3.1.1).
     They are essential for device operations.

   - **ON / OFF logic inputs (optional)**: connected to **M2** terminal board, see paragraph 3.3.2 for the wiring diagram. They are not essential for device operations.

   - **Open / stop / close control outputs for modulating motorized valves: M3** terminal board (see paragraph 3.3.3) for valve A and B connections. They are essential for device operations.

   - **ON / OFF command relay outputs**: **M4** terminal board, see paragraph 3.3.4 for the wiring diagram. Used for ON / OFF solenoid valve control for water supply and drain on the machine (minimum required), external supply system supply, drain and pump control.

   - **Service relays (optional)**: connected to **M4** terminal board, see paragraph 3.3.5 for the wiring diagram. They are not essential for device operations

4. If requested, modify the settings on dip switch **SW1** (see paragraph 4.4).

5. Power the EPS device and recall the default configuration (Operation mode menu) appropriate to the number of fans served by the A.P.s, see paragraph 6.4.

6. Wait for the HOME page to appear (see section 4.1 and 6.5).

7. Using the info menu, see paragraph 6.5, check the values of the default parameters just loaded. If changes are needed, continue as follows or skip to point **8.**

8. Open the parameters editing sub-menu using the "Configuration menu", see paragraph 6.5. Each parameter is assigned a default value, defined in the table in section 6.3, which can be edited according to system features.

   a. **Set or edit "1: EPS Parameters"**: see paragraph 6.5.1; make sure to check default values carefully.

   b. **Set or edit "2: Programmable Alarm"**: see paragraph 6.5.2; make sure to check default values carefully.

   c. **Set or edit "3: PID Parameters"**: see paragraph 6.5.3; default values are generally correct.

   d. **If required edit "4: MODBUS Parameters"**: see paragraph 6.5.4; to be used only with the optional PB1073C plug for the ModBus RS485 connection.

   e. **Set or edit "5: R.T. CLOCK Setup"**: see paragraph 6.5.5; to align the internal clock with the local clock.

9. **Manual cable check, use of manual output controls**: see chapter 7; to check wiring completed in previous point **"2"** and the proper operation of the connected actuators.

10. **Check that the values of the parameters** that manage the analog output connected to IN1 on the master drive, which pilots the EPS (ECP, ECM, RGM, DSV), are set as required, see paragraph 5.4**.**