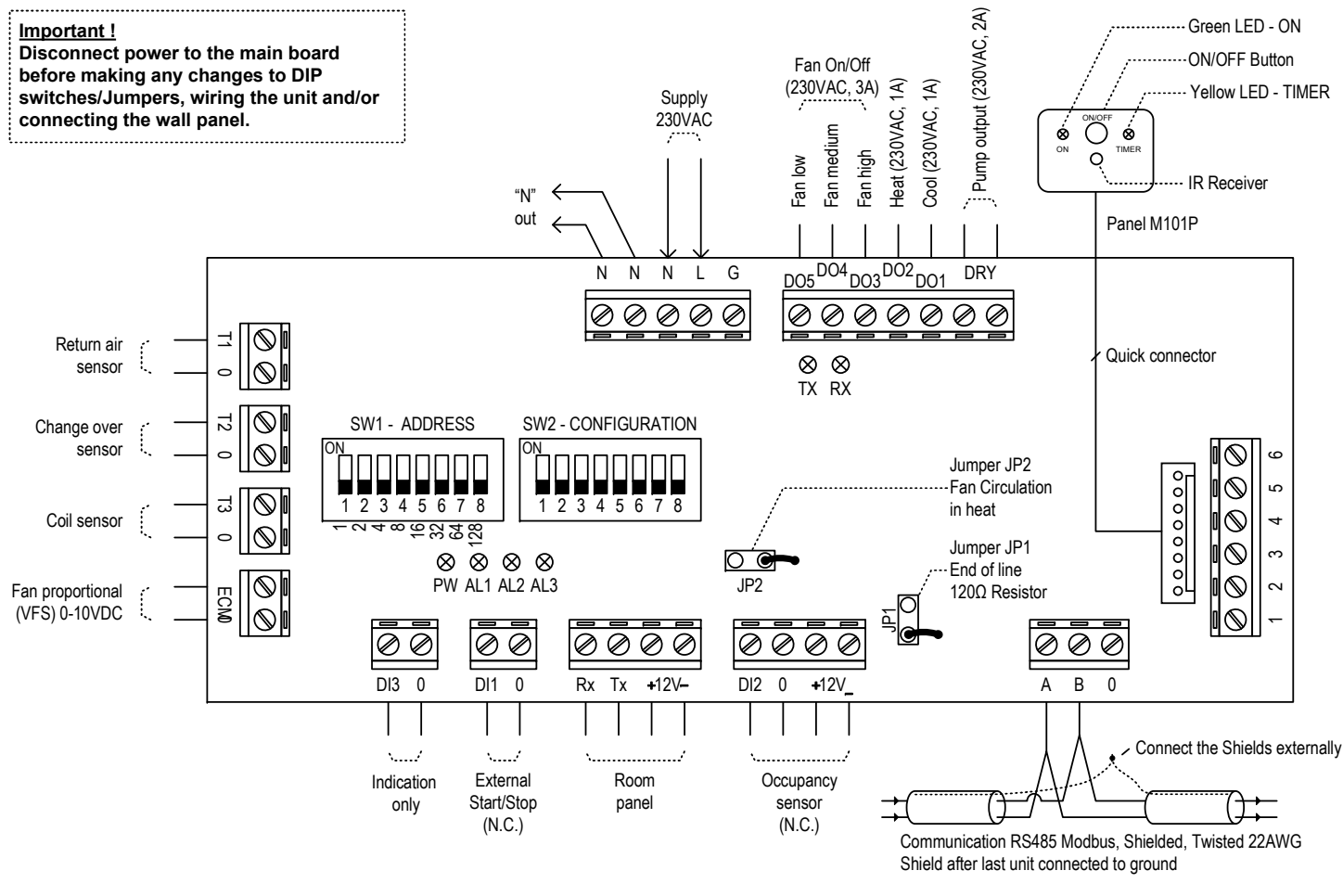


Important !
 Disconnect power to the main board before making any changes to DIP switches/Jumpers, wiring the unit and/or connecting the wall panel.



DIP Switch SW2 Configuration

Switch Description	Off	On
1 2/4-Pipe system	2-Pipe ⁽¹⁾	4-Pipe
2 Heating output type ⁽²⁾	Heating valve	Electrical heater
3 Panel input	M101P	Room panel
4 Fan output type	Fan digital	Fan proportional
5 Fan on demand ⁽³⁾ in cool	Disabled	Enabled
6 Fan on demand ⁽³⁾ in heat	Disabled	Enabled
7 3 Minutes Fan off delay	Enabled	Disabled
8 Master/Slave configuration	Disabled	Enabled

- (1) In 2-Pipe config, the "Cool" output will be used to operate the valve. Mode is automatically selected, based on the water temperature sensed by T2 sensor: T2 > 30°C → Heat, T2 < 20°C → Cool.
- (2) In electrical heater configuration, T3 coil sensor is not in use. In heating valve configuration, the fan (either digital or proportional) will operate according to T3 temperature, functioning as soft-start sensor, as follows:
 When T3 rises above (or equals) 36°C → The indoor fan will start working (according to fan on demand config. set by switches 5 and 6). When the temperature drops below 32°C → The fan will turn OFF.
- (3) When the fan on demand option is enabled, the fan will run only on demand for cooling or heating, When the fan on demand option is disabled, the fan will run continuously as long as the controller is ON.

Alarms

LED indication	Description	Result
AL1 Flashing	T1 disconnected or shortened	All outputs off
AL2 Flashing	DI1 Triggered (opened)	All outputs off
AL2 Solid	T2 disconnected or shortened	Mode selection by user
AL3 Flashing	DI2 (occ. sensor) triggered	All outputs off
AL3 Solid	T3 disconnected or shortened	Soft-start in heat disabled

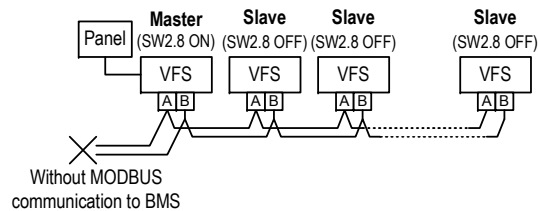
Master/Slave configuration

Master/Slave configuration should be used only in stand alone layout (without MODBUS communication). One controller should be configured as Master (the one connected to the room panel or to the M101P panel), and the other controllers (up to 32 controllers) should be configured as slaves. For standard MODBUS configuration, all controllers should be configured as slaves (refer to layouts on the left).

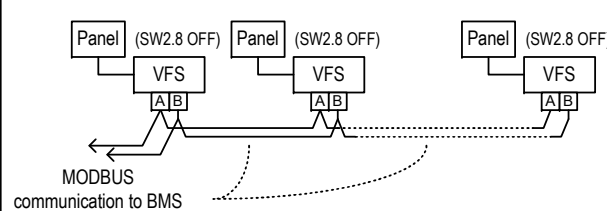
Jumpers

- JP1 - End of line 120Ω Resistor (last device in communication line)**
- Open (on one pin) - Not end of line (default)
 - Short - End of line
- JP2 - Fan circulation in heat (Destratification)**
- Open (on one pin) - Fan circulation Enabled
 - Short - Fan circulation Disabled

Master/Slave configuration enabled (NON MODBUS stand alone configuration)



Master/Slave configuration disabled (standard MODBUS BMS)



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