5.1.1 Space heating

The ON/OFF signal and operation mode and temperature setting are set on the user interface. P_o (6) keeps running as long as the unit is ON for space heating, SV1(4) keeps OFF.

5.1.2 Domestic water heating

The ON/OFF signal and target tank water temperature (T5S) are set on the user interface. P_o (6) stops running as long as the unit is ON for domestic water heating, SV1(4) keeps ON.

5.1.3 AHS (auxiliary heat source) control

The AHS function is set on the indoor unit

1) When the AHS is set to be valid only for heating mode, AHS can be turned on in the following ways:

a. Turn on the AHS via BACKHEATER function on the user interface;

b. AHS will be turned on automatically if initial water temperature is too low or target water temperature is too high at low ambient temperature.

P_o (6) keeps running as long as the AHS is ON, SV1(4) keeps OFF.

2) When the AHS is set to be valid for heating mode and DHW mode. In heating mode, AHS control is same as part 1); In DHW mode, AHS will be turned on automatically when the initial domestic water temperature T5 is too low or the target domestic water temperature is too high at low ambient temperature. P_o (6) stops running, SV1(4) keeps ON.

3) When the AHS is set to be valid, M1M2 can be set to be valid on the user interface. In heating mode, AHS will be turned on if MIM2 dry contact closes. This function is invalid in DHW mode.

5.1.4 TBH (tank booster heater) control

The TBH function is set on the user interface.

1） When the TBH is set to be valid, TBH can be turned on via TANKHEATER function on the user interface; In DHW mode, TBH will be turned on automatically when the initial domestic water temperature T5 is too low or the target domestic water temperature is too high at low ambient temperature.

2） When the TBH is set to be valid, M1M2 can be set to be valid on the user interface. TBH will be turned on if MIM2 dry contact closes.

5.1.5 Solar energy control

Hydraulic module recognizes solar energy signal by judging Tsolar or receiving SL1SL2 signal from user interface. The recognition method can be set via SOLAR INPUT on the user interface. Please refer to 8.8.5 "For solar energy input signal" for wiring.

1） When Tsolar is set to be valid, Solar energy turns ON when Tsolar is high enough, P_s(9) starts running; Solar energy turns OFF when Tsolar is low, P_s (9) stops running.

2） When SL1SL2 control is set to be valid, Solar energy turns ON after receiving Solar kit signal from user interface, P_s (9) starts running; Without solar kit signal. Solar energy turns OFF, P_s (9) stops running. The room thermostats are not connected to the Mono unit but to a motorized valve. Each room's temperature is regulated by the motorized valve on its water circuit. Domestic hot water is supplied from the domestic hot water tank connected to the Mono unit. A bypass valve is required.