- Space heating

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

- Domestic water heating

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

- AHS (auxiliary heat source) control

  The AHS function is set on the hydraulic main board (See 10.1 "DIP switch settings overview")
  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 keeps running as long as the AHS is ON, SV1 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 stops running, SV1 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.

- TBH (tank booster heater) control

  The TBH function is set on the user interface. (See 10.1 "DIP switch settings overview")
  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.

- Solar energy control

  Hydraulic module recognizes solar energy signal by judging Tsolar or receiving SL1SL2 signal from user interface(See 10.5.15 INPUT DEFINE). The recognition method can be set via SOLAR INPUT on the user interface. Please refer to 9.7.6/1). 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 starts running; Solar energy turns OFF when Tsolar is low, P_s 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 starts running; Without solar kit signal. Solar energy turns OFF, P_s stops running.

⚠ CAUTION

The highest outlet water temperature may reach 70°C, please beware of burn.

♀ NOTE

Make sure to fit the (SV1) 3-way valve correctly. For more details, please refer to 9.7.6 "Connection for other components.

At extremely low ambient temperature, the domestic hot water is exclusively heated by TBH, which assures that heat pump can be used for space heating with full capacity.

Details on domestic hot water tank configuration for low outdoor temperatures (T4DHWMIN) can be found in 10.5.1 "DHW MODE SETTING".