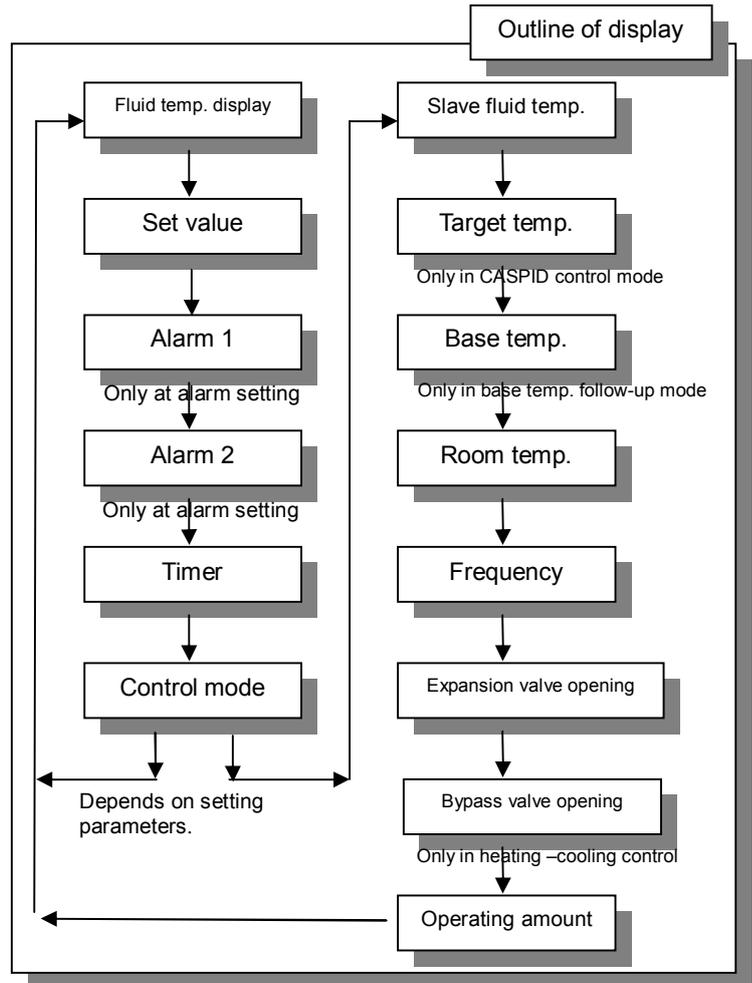
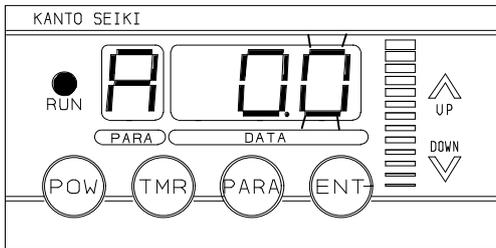
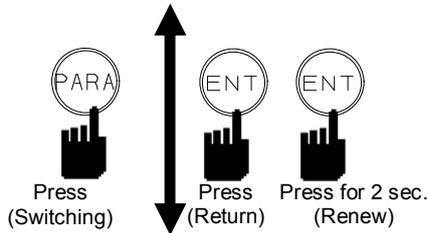
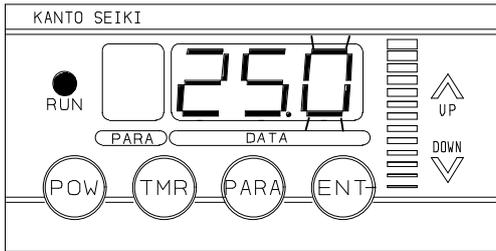


Changing user parameters

Press ③[PARA] key on the current fluid temperature display panel to change the panel as shown in the illustration to the right. Or press ②[TMR] key to change the panel in the reverse order.

- The user parameter display panel varies depending on the common parameter settings.



Prior to setting of alarms 1 and 2

Prior to the setting of alarms 1 and 2, it is necessary to select the alarm type using common parameters. Alarm types are described in the following table.

Setting alarms 1 and 2

"1" is displayed on ③PARA display area and the right-most LED is blinking.

Press ⑤[UP] and ⑥[DOWN] keys to adjust and set the set value, or press ④[ENT] key to make the blinking LED shift to upper digits. When it comes to the target digit, set the set value using ⑤[UP] and ⑥[DOWN] keys.

| Alarm type | Set value | Alarm type | Set value |
|--|-----------|---|-----------|
| None | 000 | Air filter cleaning alarm (ON at set time) | 100 |
| Fluid temp. upper limit alarm (ON at set value or higher) | 001 | Fluid temp. upper limit alarm (OFF at set value or higher) | 101 |
| Fluid temp. lower limit alarm (ON at set value or lower) | 010 | Fluid temp. lower limit alarm (OFF at set value or lower) | 110 |
| Fluid temp. upper/lower limit alarm (ON when out of setting range) | 011 | Fluid temp. upper/lower limit alarm (OFF when out of setting range) | 111 |
| Air filter cleaning alarm (OFF at set time) | 200 | | |

- The initial values are fluid temp. upper/lower limit alarm for alarm 1(111), Air filter cleaning alarm for alarm 2(100).

■ Switching Inlet and Outlet Oil Temperature Control

Stop operation of the unit and turn off power. Control mode change. (Refer to "Change of control mode" for the Service Manual of setting method. Change the parameters as required. Refer to "Supplemental, Parameter List" of Service Manual. Press the [POW] key to start operation, and inlet and outlet oil temperature control will be switched.

■ Content of operation panel display and action for it

| RUN | Display | Cause | |
|--------------------------------------|---|---|--|
| ● | AL1 | Stirring motor overload | Refer to 8-1 of the Service Manual. |
| ● | AL2 | THP (temp. protective switch) or GPS (pressure switch) is actuated. | |
| ● | AL31 | Primary side overcurrent of HIC | |
| ● | AL32 | Secondary side overcurrent of inverter board | |
| ● | AL33 | Output signal error of HIC | |
| ● | AL34 | HIC temp. increases too much. | |
| ● | AL4 | HTS1 or HTS2 (heater protective temp. switch) is actuated. | |
| ● | AL61 | Disconnection of master fluid temp. sensor | Check for sensor connection. *If it is disconnected, replace with a new sensor. |
| | AL62 | Disconnection of slave fluid temp. sensor | |
| | AL63 | Disconnection of base temp. sensor | |
| | AL64 | Disconnection of room temp. sensor | |
| ● | AL70 | Setting error of DIP switch | Refer to 8-1 of the Service Manual. |
| | AL71 | Abnormality of data | |
| | AL72 | Communication error between control board and inverter board | |
| H" and current fluid temp. blinking | The control fluid temp. is higher than the sum of the set temp. and the upper limit alarm temp. | Refer to 8-1 of the Service Manual. | |
| "45" blinking | Control fluid temp. becomes 45°C min. | | |
| "L" and current fluid temp. blinking | The control fluid temp. is lower than the set temp. minus the lower limit alarm temp. | | |
| "5" blinking | Control fluid temp. becomes 5°C or lower. | | |
| "FIL" blinking | Air filter requires cleaning. (Press ENT key for 2 sec to reset.) | Refer to 7-21 of the Service Manual and clean air filter. | |

● Light OFF

*Refer to the separate Service Manual for details.

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