About upgrade function of Module type Temperature controller ⟨PUM⟩

This time,We have upgraded the Module type temperature controller (type: PUMA,PUMB) and PC loader for PUM to improve the usage so that customer can use these products more easily.

1.Content of upgrade function

1）Ramp soak function has been added.
2）Motorized valve control has been enabled.
3）Input function has been expanded.
4）Output function has been expanded.
5）Cascade control has been enabled without external wiring.
6）High speed control(100ms) has been enabled.
7）Heater（CT）input function has been added.
8）New function for PC loader has been added.

2．Compatibility

1）Main unit of module type temperature controller (PUMA/B) is upward compatibility.
(existing functions can be used as usual)
2）Please note that there are restrictions to PC loader of PUM in accordance with the combination of main unit when you use. Please refer to the attachment "Note of compatibility of existing and upgrade loader"

【Note of compatibility of existing and upgrade loader】

■Usage restrictions due to the combination of PUM 's loader and main unit.
There are three patterns of loader of PUM as follows based on usage.
Important notice for each patterns are described as below.

1) Module data reception launch mode / PC- PUM main unit (1:1)

	Existing PUM	Upgrade function
Existing loader version: 1.3.6	○	○ ＊1)
Upgrade loader version:2.0.0	×注2)	○

＊1)Existing loader can be used to PUM main unit of upgrade function.
  However, New function of the PUM main unit can not be used by existing loader.
＊2) Do not use since communication error occurs.

2) Module data reception launch mode / PC- PUM main unit (1:N)

	Existing PUM only	Upgrade function PUM only	Existing and upgrade function
Existing loader version: 1.3.6	○	○ ＊1)	○ ＊1)
Upgrade loader version:2.0.0	× ＊2)	○	× ＊2)

If PUM main unit with different revision is included in using such as connecting use with other PUM, upgrade function loader can not be used.
＊1)New function of the upgrade function PUM main unit can not be used by existing loader.
＊2) Do not use since communication error occurs.

3) Using the file selection

	PUM loader for 1.3.6 saved file	PUM loader for 2.0.0 saved file
Existing loader version: 1.3.6	○	○
Upgrade loader version:2.0.0	× ＊1)	○

＊1) The file saved by existing loader can be used by upgrade loader,
   However, value of parameter added can not be shown accurately.
    When you use new function of PUM, make sure to set the accurate value.

4) Others．Caution on using．

"Initial values start up mode" which has been added to PUM's loader can not be used by existing PUM main unit.

-Period-