

■ Just-FiTTER

This Just-FiTTER function provides the effect of the overshoot suppression and the following items can be set:

Item (Bank)	Display	Contents	Initial value	User level
Just-FiTTER overshoot limit/restraint/control coefficient (Extended tuning bank)	<i>JF.ov</i>	0 to 100 ("0": JF function disabled)	0	Standard, High function
Just-FiTTER settling band (Extended tuning bank)	<i>JF.bd</i>	0.00 to 10.00%	0.30%	High function

- When the control method is other than the ON/OFF control (Ctrl ≠ 0), the display and setting can be configured.
- Function of Just-FiTTER overshoot limit/restraint/control coefficient (JF.ov)
When the Just-FiTTER overshoot limit/restraint/control coefficient (JF.ov) is set to "0", the Just-FiTTER function becomes invalid.
When this coefficient is "1" or more, the effect of the overshoot limit/restraint/control becomes larger as the coefficient becomes larger.
- Function of Just-FiTTER settling band (JF.bd)
When the % value of the width of the absolute value deviation to the PV range is larger than the set value, the Just-FiTTER function is started. When this value is smaller than the set value, this is judged as that the PV is settled by the Just-FiTTER function.

■ RationalLOOP

This RationalLOOP function suppresses the unstable trend if the immediate response to external disturbance is increased by the high precision control logic. The following items can be set:

Item (Bank)	Display	Contents	Initial value	User level
Control algorithm (Extended tuning bank)	<i>Ctrl.A</i>	0: PID (Conventional PID) 1: RationalLOOP (High-performance PID)	0	Standard, High function

- When the control method is other than the ON/OFF control (Ctrl ≠ 0), the display and setting can be made.

■ SP lag

This SP lag function suppresses changes in MV when the SP is changed. The following items can be set:

Item (Bank)	Display	Contents	Initial value	User level
SP lag constant (Extended tuning bank)	<i>SP.Lg</i>	0.0 to 999.9 (No effect when set at "0.0".)	0.0	High function

- When the control method is other than the ON/OFF control (Ctrl ≠ 0), the display and setting can be made.
- Function of SP lag constant (SP.Lg)
When the SP lag constant is set at "0.0", the SP lag function becomes invalid.
When this value is "0.1" or more, changes in MV when the SP is changed become smaller and the effect of the overshoot suppression becomes larger as the value becomes larger.