FineStyle

The new standard for controllers.
New easy-to-use functions based on leading-edge concepts.

Integration of a new algorithm, high accuracy (±0.3%FS) and sampling cycle 0.3 seconds.
A new type of controller designed for ever-changing demands of industry.

**Hardware**

Ideal design and style with easy-to-use functions.

Simple design and compact
Simple design not available in conventional models.
The world’s shortest depth of 65mm. Thin bezel of only 5mm. Just fits into narrow mounting locations.

Rubber keys
Finger-friendly rubber buttons adopted.
Unique design enhances ease of operation.

**Operation & Monitoring**

Easy-to-see display and reliable operability assured simultaneously.

The mode button for easy switching of operational parameters
The following operations can be easily and quickly accessed by pressing the mode key:
- AUTOMATIC, RUNREADY, contact function, etc.

Powerful, multi-status indicator
Multi-status analog lamp indicator is assignable to several parameters (i.e. alarms, outputs, etc.)

- As an indicator of output
- Can be set to flash as an alarm indicator (i.e. high-speed flashing at alarm occurrence, and flashing of all indicators at normal operation, etc.)

**Control**

Revolutionary control logic, not just PID and fuzzy logic.

Greatly improved controllability ensured with a brand new algorithm
Stable control that is unaffected by disturbances has been realized by including the highly accurate "RationalLOOP PID" control logic and the "JustFITTER" algorithm which is very effective in suppressing overshoot.

- RationalLOOP PID
  - Hunting is suppressed almost immediately with the addition of RationalLOOP PID to the conventional PID.
  - Difference between RationalLOOP PID and PID

- JustFITTER
  - JustFITTER is an algorithm that restricts overshoot within the disturbance response and slope response functions.

**Software**

Software functionality provides additional application flexibility.

New methods of installation, operation, and monitoring utilizing a wide variety of software functions
The SDC25/26 can be conveniently connected to a computer via a PC monitor software connection via a dedicated connection cable. The software contains various functions such as parameter settings, trend monitoring and CSV output of acquisition data.

**The wide variety of inputs and outputs of the SDC25/26 can be used to fulfill various application requirements.**

- Heat/cool function
  - Heat/cool output with 3rd control output or event output (SDC25/26).

- Maximum 3 analog outputs
  - PV, VI, etc., can be freely assigned.

- A 2nd control output available
  - The output can be used for heat/cool control or an array of application requirements (Current, voltage pulse).

- 3 event outputs (D/I/O)
  - Three event outputs (D/I/O) are available as standard features.

**Up to 3 configurable event outputs available as a standard option**

Up to 3 event outputs are available with the SDC25/26. Additionally, a maximum of 3 internal events is also provided. These internal events can be assigned to the 3 event outputs using logic operation. The wiring reduction achieved by utilizing these internal events results in labor cost savings for wiring to a PLC or other devices in the system.