

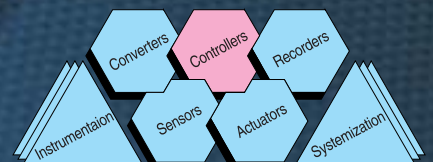
# Super DigitroniK Line **SDC15**

Digital Indicating Controller

CE marking compliant (EN61010-1  
EN61326-1)

*Multiple functions packaged in a compact,  
small-sized controller*

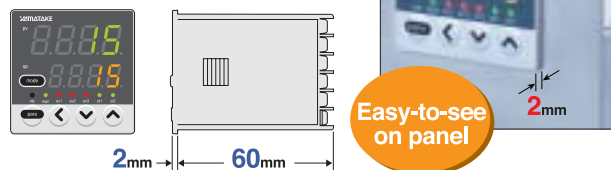
*The obvious choice for users seeking an easy-to-use and highly accurate controller  
with all the functions needed for a wide variety of applications.*



# HARDWARE

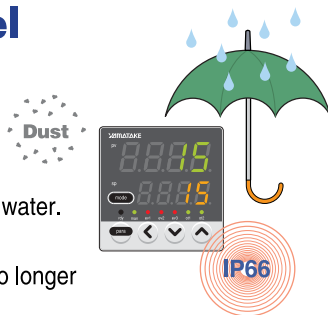
## Compact body

The depth of the body is just 60mm, which makes the SDC15 the slimmest controller on the market today. And with the front panel being only 2mm thick, it is easy to install even in confined spaces.



## IP66 front panel

The front panel has been rated to IP66 specifications making the device resistant to dust and water. Therefore, finding special locations for installation is no longer necessary.

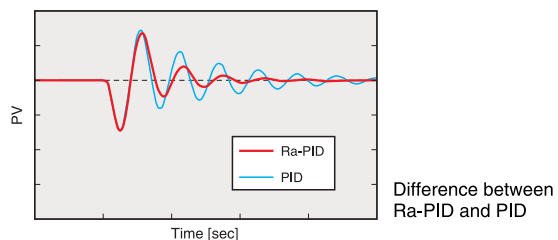


# CONTROL

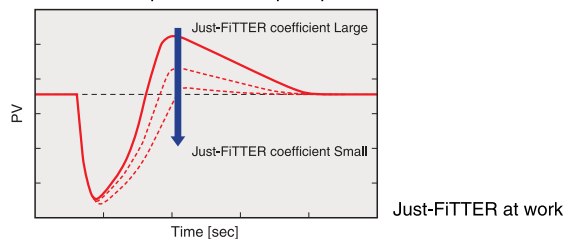
## Greatly improved controllability ensured with a brand new algorithm

Stable control that is unaffected by disturbance has been realized by including the highly accurate "Ra-PID" control logic and the "Just-FITTER" algorithm which is very effective in suppressing overshoot.

● "Ra-PID"  
Hunting is suppressed almost immediately with the addition of Ra-PID to the conventional PID.



● "Just-FITTER"  
Just-FITTER is an algorithm that restricts overshoot within the disturbance response and step response functions.

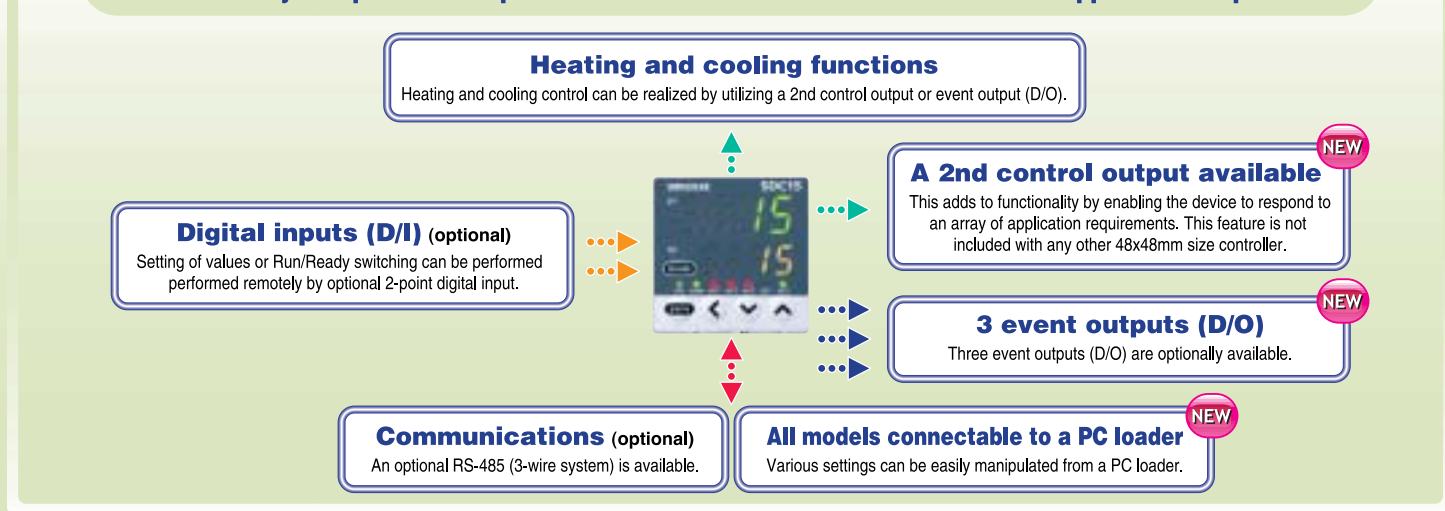


# A new algorithm integrated to ensure high-speed and highly accurate control

## A next generation small controller sure to change common perceptions of control operations

Ra-PID and Just-FITTER have been included with both having the capabilities to be controlled by a multi-function PC loader. The SDC15 is sure to change conventional perceptions of small sized controllers.

The wide variety of inputs and outputs of the SDC15 can be used to fulfill various application requirements.



# OPERATION

## Easy-to-view LED display

Verification of SP, PV and event statuses possible at a glance

SP and PV values are indicated by 2 different colors. Run/Ready, event output and MV output statuses are indicated by LED lamps. The status of the operation can thus be quickly confirmed.



## Single-touch operation using mode keys

Auto/Manual changeover, Run/Ready changeover or even the latch cancellation function can be assigned to the mode key on the front panel. The task can then be executed simply by the press of a button.



# SOFTWARE

## PC loader connection to the 48 x 48mm size model possible

The SDC15 can be connected to a PC loader by using a dedicated connector cable. The software contains various parameter settings and trend monitoring functions that facilitate maintenance and operation.



## Reduction of wiring work and savings in labor costs ensured with the event configuration function

The SDC15 has an internal event configuration function. Five internal event points can be assigned to each event contact. The number of wires per event outputs can be reduced thus allowing a reduction of connection points for the PLC or devices in the system.

