

SDC35 and SDC36

Thermal regulator

ELECTRONIC
EQUIPMENT

ACOUSTIC

WEIGHING

ANTI-TILTING

VALVES

TEMPERATURE

DETECT
A FIRE®

FLOW/
RATE

DENSITY

INTERFACE

PRESSURE

LEVEL



Compact Controllers

- Reduced Depth: 60 - 65 mm
- Front IP66, large and bright display
- Advanced software with logic and timer functions
- New algorithm for even more precise control
- Fast access to data
- Easy online and offline configuration with Smart SW PC-Loader (including real-time data acquisition)

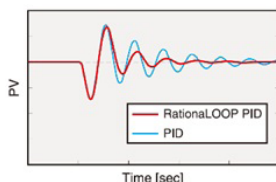


Control

The control capability has been significantly increased with the use of a brand new algorithm. A stable, disturbance-free control has been realised by introducing the sophisticated

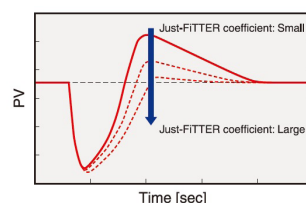
• Rationalloop PID (RA-PID)

Control point tracking is almost completely eliminated by adding RA-PID to the conventional PID



• "Just FITTER"

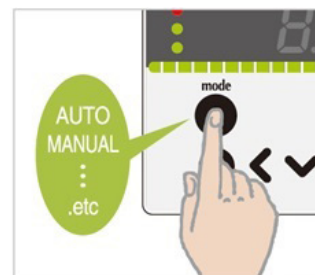
"Just FITTER" è un algoritmo di controllo che riduce il superamento del set point di temperatura con una risposta immediata



Operation

The following operations can be easily and quickly accessed by pressing the mode button:

- AUTO/MANUAL, RUN/READY, contact latch deletion, etc.



Technical specifications

Thermocouples	K, J, E, T, R, S, B, N, PLII, WRe5-26, NiMo, PR40-20, DIN U, DIN L, Golden Iron Cr
RTD	Pt100, JP+100 (2/3 Wires)
Programmer version	1 prog 16 Segments

Dimensions W x H x D [mm].	48 x 96 x 65
Drilling Jig mm	44 x 92
Input	1
Linear: 0/4÷20mA	Standard
Volt: 0÷1/5/10Vcc, 1÷5Vcc	Standard
Auxiliary Inputs	On request
Inputs from T/A	2
Digital Inputs	4
RS485 (Modbus)	1
Input for feedback potentiometer	1
Remote Setpoint (mA/V)	1
Outputs	On request
Relays (SPDT)	1
Impulsive (SSR)	2
Current: 0/14÷20 mA	2
Volt: 0÷5(10) V, 1÷5 V	2
Relays (Alarms)	3
Auxiliary outputs	1
Outlet for motorised valve	1
PID control, Auto-Tuning	Standard
3-Points (Motorised Valve)	Standard
Storable PID groups	- 8
Hot/Cold	Standard
Maximum Number of Set Points	- 8
Ramps	Standard
Dual Display: 7 Seg./A Digits	Standard
Timer	Standard
Accuracy	0.1% FS
Scanning time	0.1 s
Certifications	CE, UL
Power supply 21.6 - 52.8Vdc, 21.6 - 26.4Vdc	Standard
Power supply 85÷264Vac	Standard

