

# Azbil

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## Цифровые контроллеры

SDC

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# Цифровой одноконтурный контроллер SDC15

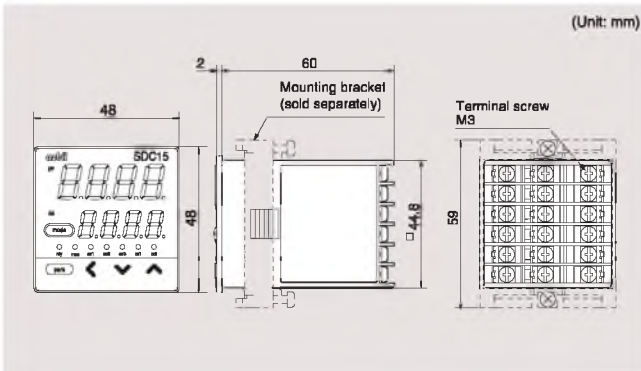
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## Specifications

PV Input	Type	Input group selectable by model No.(thermocouple, RTD, linear)
	Range	Refer to the PV input type and range table.
	Sampling cycle	500ms
Control Output	Indication accuracy	±0.5%FS±1 digit
	Control mode	ON/OFF, time proportional PID, current proportional PID
	Control action	Selectable by model No. • Relay output: 1c (SPDT) 250Vac 3A • Voltage pulse output: 19Vdc±15% Internal resistance 82Ω Allowable current 24Vdc max. • Current output: 0 to 20mA dc, 4 to 20mA dc (selectable by setting)
Event Output	No. of outputs	3 points
	Control action	Relay output: 1a (SPST)
Digital Input	Type	PV, DEV, loop diagnosis, timer, heater/circuit break and others (32 types in total.)
	No. of inputs	2 points
CT Input	Function	Auto/Manual changeover, Run/Ready changeover, set point changeover, latch cancellation plus others (18 types in total.)
	Applicable current transformer	Max. 2 inputs Solid separately: 5.8mm dia. (QN206A), 12mm dia. (QN212A)
	Communication system	RS-485 (3-wire system)
Communication	No. of connectable units	Max. 31 units
	Communication speed	Max. 38,400bps
Loader Port	Connection	Dedicated cable
	Connection length	Max. 2m
General	Ambient temperature	0 to 50°C
	Power supply voltage	AC power supply model: 100 to 240Vac DC power supply model: 24Vac, 24 to 48Vdc
	Power consumption	AC power supply model: 12VA max. DC power supply model: 7VA max.(24Vac) 5W max.(24 to 48Vdc)
	Standards compliance	CE marking (EN61010-1, EN61326) cUL (UL61010-1)*
	Structure	IP66 (NEMA 4X) (front panel)
Weight (Mass)	Panel mounted type: 150g (including dedicated mounting bracket) DIN rail mounted type: 200g (including socket)	

\*. Varies depending on the model.

## Dimensions



## Selection Guide

I II III IV V VI VII Example: C15TR0TA0000

Table	Selection			Description			
I	Basic Model No.	C15	↓ ↓	Digital indicating controller			
II	Mounting	T	○ -	Panel mounting			
		S	- ○	Socket mounting			
III	Control output			Output 1		Output 2	
		R0	○ ○	Relay, (1a contact only for C15S)		-	
		V0	○ ○	Voltage pulse		-	
		VC	○ -	Voltage pulse		Current	
		VV	○ -	Voltage pulse		Voltage pulse	
		C0	○ ○	Current		-	
		CC	○ -	Current		Current	
IV	PV input	T	○ ○	Thermocouple			
		R	○ ○	RTD			
		L	○ ○	DC voltage/current			
V	Power supply	A	○ ○	100 to 240Vac			
		D	○ ○	24Vdc			
VI	Option (1)			EV (DO)	CT input 2 points	Digital Inputs (DI) 2 points	Communication RS-485
		00	○ ○	-	-	-	-
		01	○ ○	3 points	-	-	-
		02	○ -	3 points	○	○	-
		03	○ -	3 points	○	-	○
		04 <sup>*1</sup>	○ ○	Independent 2 points	-	-	-
		05 <sup>*1</sup>	○ ○	Independent 2 points	○	○	-
		06 <sup>*1</sup>	○ -	Independent 2 points	○	-	○
VII	Option (2)	0 <sup>*2</sup>	○ ○	None			
		D <sup>*2</sup>	○ ○	w/ test data			
		Y <sup>*2</sup>	○ ○	w/ traceability certification			

\*1. Not selectable for 24Vdc model.

\*2. Standards compliance

○=0: CE marking  
□=A: CE marking, cUL

## Input Types and Ranges

Sensor	Sensor type	Range (°C)	Sensor	Sensor type	Range (°C)
Thermocouple	K	-200 to +1200	RTD	Pt100	-200 to +500
		0 to 1200		JPt100	-200 to +500
		0.0 to 800.0		Pt100	-200 to +200
		0.0 to 600.0		JPt100	-200 to +200
		0.0 to 400.0		Pt100	-100 to +300
		-200.0 to +400.0		JPt100	-100 to +300
		0.0 to 800.0		Pt100	-50.0 to +200.0
		0.0 to 600.0		JPt100	-50.0 to +200.0
		-200.0 to +400.0		Pt100	-50.0 to +100.0
		0.0 to 800.0		JPt100	-50.0 to +100.0
		0.0 to 600.0		Pt100	0.0 to 200.0
		-200.0 to +400.0		JPt100	0.0 to 200.0
		0.0 to 1600		Pt100	0 to 500
		0.0 to 1600		JPt100	0 to 500
		0.0 to 1800		Pt100	0 to 500
		0.0 to 1800		JPt100	0 to 500
Linear	PL II	0 to 1300	0 to 1V	Scaling in the range of -1999 to +9999	
	Wre5-26	0 to 1400	1 to 5V		
		0 to 2300	0 to 5V		
	DIN U	-200.0 to +400.0	0 to 10V		
	DIN L	-100.0 to +800.0	0 to 20mA		
			4 to 20mA		

Note 1. The accuracy of the B thermocouple is ±5%FS for a range of 260°C or less, and ±1%FS for 260°C to 800°C.

2. For ranges containing a decimal point, tenths are displayed on the line underneath.

## Software (sold separately)

Selection	Software name and specifications
SLP-C35J50	SLP-C35 standard loader for the C15

## Optional Devices (sold separately)

Model No.	Part name
81446898-001	Terminal cover
81446391-001	Socket (for the C15S)
QN206A	Current transformer (5.8mm dia.)
QN212A	Current transformer (12mm dia.)
81446442-002	Hard cover
81446443-001	Soft cover
81446403-001	Mounting bracket (included with the C15T, usable for the C15S)

# Цифровой одноконтурный контроллер SDC25/26

Two process controller models with two levels of controllability.

## Description

The SDC25 & SDC26 Single Loop Controllers are digital indicating controllers featuring multi-range inputs and a PID control system using the new "RationalLOOP PID" (Ra-PID) and "Just FiTTER" algorithms.

Up to 2 control outputs are available (depending on the model), selectable from relay contact, voltage pulse, and current. Compatible with the Smart Loader Package, which facilitates setup and monitoring.



## Features

- Ideal design and style with easy-to-use functions
- Easy-to-see display and reliable operability assured simultaneously
- Revolutionary control logic, not just PID and fuzzy logic
- Software functionality provides additional application flexibility

# Цифровой одноконтурный контроллер SDC35/36

## Specifications

PV input	Type	Thermocouple, RTD, DC voltage, DC current										
	Range	Refer to the input type and range table										
	Sampling cycle	0.1 seconds										
Indication	Method	Digital 4-digit, 7-segment										
	Accuracy	±0.1%FS+1 digit										
Control output	Model No.	RD	V0	C0	VC	VV	CC	VD	R1	CD	D0	DD
	Control mode	ON/OFF control, time proportional PID, current proportional PID										
	1st control output	Relay	Voltage pulse	Current	Voltage pulse	Voltage pulse	Current	Voltage pulse	Motor drive	Current	Continuous voltage	Continuous voltage
	2nd control output	—	—	—	Current	Voltage pulse	Current	Continuous voltage	—	Continuous voltage	—	Continuous voltage
	No. of PID groups	8 max.										
	PID auto-tuning	Automatic setting of PID values by limit cycle method (selectable from normal type, quick response type or stability type)										
External switch input	No. of inputs	4 max.										
	Function	LSP No., PID group No., READY/RUN changeover, timer start/stop, etc.										
Event	No. of outputs	3 max. (internal 8)										
	Function	Selectable from PV, SP, deviation value, absolute value, alarm, timer output, heater line break alarm, etc.										
Heater line breaker	No. of inputs	2 (optional)										
Analog output	No. of outputs	3 max.										
	Type	Selectable from PV, SP or MV										
Communication	Communication system	RS-485										
	No. of connectable units	31 units max.										
	Communication speed	38400bps max.										
Additional processing	Inspection certificate and traceability certification supported											
General	Rated power supply	AC power supply model : 100 to 240Vac 50/60Hz DC power supply model : 24Vac 50/60Hz, 24Vdc										
	Power consumption	SDC35 AC power supply model : 12VA max. DC power supply model : 12VA max. (24Vdc), 8W max. (24Vdc) SDC36 AC power supply model : 12VA max. DC power supply model : 12VA max. (24Vdc), 8W max. (24Vdc)										
	Standards compliance	CE marking (EN61010-1, EN61326) cUL (UL61010-1)*										
	Weight (mass)	SDC35: 250g, SDC36: 300g										

\*. Varies depending on the model.

## Input Type and Range

Sensor	Sensor type	Range (°C)
Thermocouple	K	-200.0 to +1200
		0 to 1200
		0 to 800
		0.0 to 600.0
		0.0 to 400.0
		-200.0 to +400.0
	J	-200.0 to +200.0
		0 to 1200
		0.0 to 800.0
	E	0.0 to 600.0
		-200.0 to +400.0
	T	0.0 to 800.0
	R	0.0 to 600.0
	S	0 to 1600
	B	0 to 1800
	N	0 to 1300
	PL II	0 to 1300
	WRe5-26	0 to 1400
	WRe5-26	0 to 2300
	Ni-NiMo	0 to 1300
PR40-20	0 to 1500	
DIN U	-200.0 to +400.0	
DIN L	-100.0 to +800.0	
Golden iron chromel	0.0K to 380.0°K	

Sensor	Sensor type	Range (°C)
RTD	PT100	-200.0 to +500.0
	JP100	-200.0 to +500.0
	PT100	-200.0 to +200.0
	JP100	-200.0 to +200.0
	PT100	-100.0 to +300.0
	JP100	-100.0 to +300.0
	PT100	-100.0 to +200.0
	JP100	-100.0 to +200.0
	PT100	-100.0 to +150.0
	JP100	-100.0 to +150.0
	PT100	-50.0 to +200.0
	JP100	-50.0 to +200.0
	PT100	-50.0 to +100.0
	JP100	-50.0 to +100.0
	PT100	-60.0 to +40.00
	JP100	-60.0 to +40.00
	PT100	-40.0 to +60.0
	JP100	-40.0 to +60.0
	PT100	-1.00.0 to +60.00
	JP100	-1.00.0 to +60.00
Linear	PT100	0.0 to 100.0
	JP100	0.0 to 100.0
	PT100	0.0 to 200.0
	JP100	0.0 to 200.0
	PT100	0.0 to 300.0
	JP100	0.0 to 300.0
	PT100	0.0 to 500.0
	JP100	0.0 to 500.0
	PT100	0.0 to 10mV
	JP100	0.0 to 10mV
	-10 to +10mV	Scaling in the range of -1999 to +9999 Decimal point position changeable
	0 to 1V	
	1 to 5V	
	0 to 5V	
	0 to 10V	
	0 to 20mA	
	4 to 20mA	
	4 to 20mA	

# Selection Guide

I II III IV V VI VII Example: C35TR0UA1000

Table	Selection	Description			
I	Basic model No	<b>C35T</b> Single Loop Controller (48x96mm size)			
		<b>C36T</b> Single Loop Controller (96x96mm size)			
II	Control output	<b>Output 1</b>	<b>Output 2</b>	<b>Reference</b>	
		<b>R0</b> Relay	-	-	
		<b>V0</b> Voltage pulse	-	-	
		<b>C0</b> Current	-	-	
		<b>D0</b> Continuous voltage <sup>*3</sup>	-	-	
		<b>R1<sup>*1</sup></b> Motor drive relay	-	With NFB (motor feedback)	
		<b>VC</b> Voltage pulse	Current	-	
		<b>VV</b> Voltage pulse	Voltage pulse	-	
		<b>CC</b> Current	Current	-	
		<b>VD</b> Voltage pulse	Continuous voltage <sup>*3</sup>	-	
		<b>CD</b> Current	Continuous voltage <sup>*3</sup>	-	
		<b>DD</b> Continuous voltage <sup>*3</sup>	Continuous voltage <sup>*3</sup>	-	
III	Input type	<b>U</b> Universal (full multi) input			
IV	Power supply	<b>A</b> 100 to 240Vac			
		<b>D</b> 24Vac/24Vdc			
V	Option (1)	<b>EV (DO)</b>	<b>Auxiliary output</b>		
		<b>1</b> 3 points	-		
		<b>2</b> 3 points	Current		
		<b>3</b> 3 points	Voltage		
		<b>4<sup>*1</sup></b> Independent 2 points	-		
		<b>5<sup>*1</sup></b> Independent 2 points	Current		
		<b>6<sup>*1</sup></b> Independent 2 points	Voltage		
VI	Option (2)	<b>CT<sup>*2</sup></b>	<b>DI</b>	<b>RSP</b>	<b>Communication</b>
		<b>0</b> -	-	-	-
		<b>1</b> 2 points	4 points	-	-
		<b>2</b> 2 points	4 points	-	RS-485
		<b>3</b> 2 points	2 points	Available	-
<b>4</b> 2 points	2 points	Available	RS-485		
VII	Additional processing	<b>0<sup>*4</sup></b> None			
		<b>D<sup>*4</sup></b> With test data			
		<b>Y<sup>*4</sup></b> With traceability certification			

- \*1 Not selectable with the DC power supply model.
- \*2 CT is not applicable when R1 control output is selected.
- \*3 Selectable from 1 to 5V, 0 to 5V, or 0 to 10V.
- \*4 Standards compliance
  - D: CE marking
  - A: CE marking, cUL

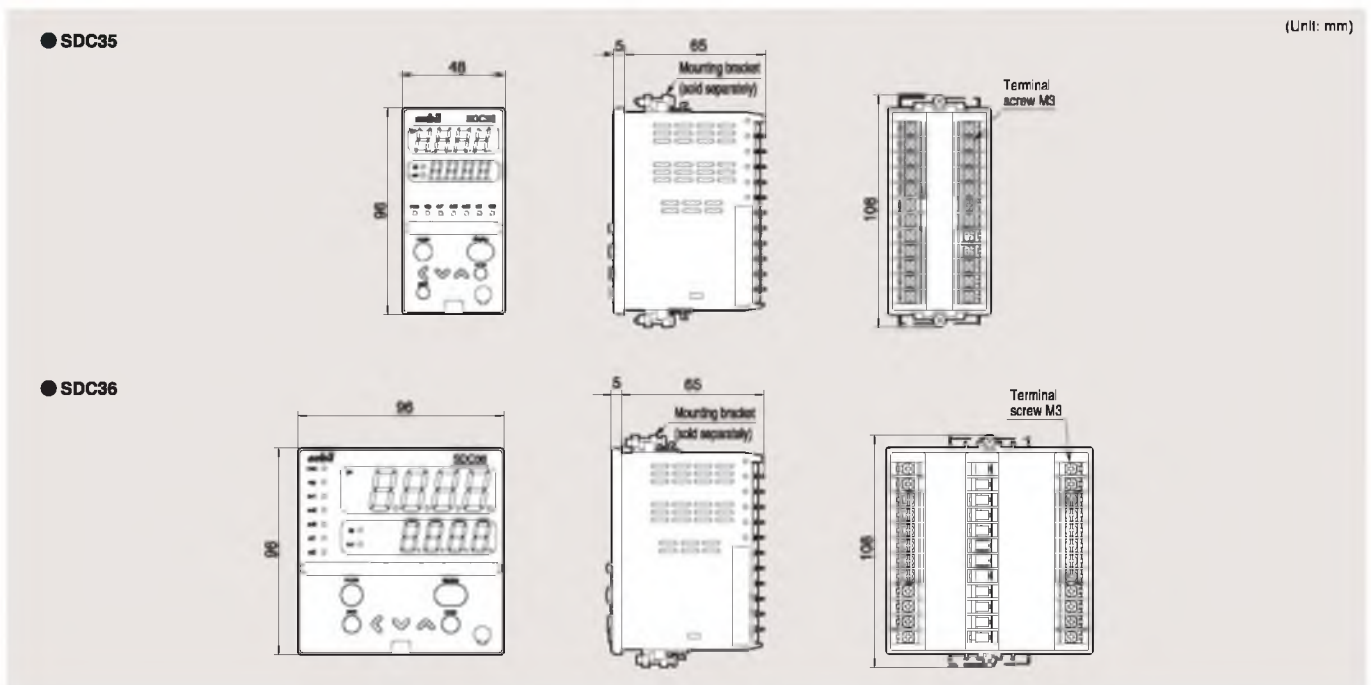
## Software (sold separately)

Model No.	Name and specifications
<b>SLP-C35J50</b>	SLP-C35 standard loader for the SDC35/36 Version 2.0CD with loader cable
<b>SLP-C35J51</b>	SLP-C35 standard loader for the SDC35/36 Version 2.0CD, operation manual, without loader cable

## Optional Devices (sold separately)

Model No.	Name and specifications
<b>QN206A</b>	Current transformer (5.8mm dia.)
<b>QN212A</b>	Current transformer (12mm dia.)
<b>81446915-001</b>	Hard cover for the SDC35
<b>81446916-001</b>	Hard cover for the SDC36
<b>81441121-001</b>	Soft cover for the SDC35
<b>81441122-001</b>	Soft cover for the SDC36
<b>81446912-001</b>	Terminal cover for the SDC35
<b>81446913-001</b>	Terminal cover for the SDC36
<b>81409654-001</b>	Mounting bracket (included with the controller)

## Dimensions



## Цифровой контроллер с индикацией SDC40A

The SDC40A Digital Indicating Controller is a highly advanced, high-precision compact (96 mm x 96 mm) digital controller, featuring a 5-digit indicator, an input sampling cycle of 100 ms and an indication accuracy of  $\pm 0,1\%$  FS.

### Description

It is equipped with a wide variety of input options: thermocouple, resistance thermometer detector, DC voltage, and DC current.

Control outputs consist of time proportional PID (relay output, voltage output), current output PID, position proportional PID, and heat/cool PID, each equipped with a PID auto-tuning feature with neuro and fuzzy methods.



# Цифровой контроллер с индикацией SDC40B

The SDC40B Digital Indicating controller is a single loop digital indicating controller for controlling temperature, pressure, flow rates, levels, PH variables, etc.

## Description

A compact instrument with PID control and various auxiliary functions, it offers instrumentation with a high level of cost performance. The Smart Loader Package allows the user to design any combination of functions.





# Цифровой мультиконтурный контроллер SDC45/46

## Selection Guide

### ● SDC45V I II III IV V VI VII VIII IX X Example: C45V2A1C000000

Segment	Model No. selection	Description	
I	Basic No. C45V ↓ ↓	Computation function model	
II	Input 2 ○ ○ ○	2-input model (full-multi: 2)	
	3 ○ ○ ○	3-input model (full-multi: 1, DC current / voltage: 2)	
III	Power A ○ ○ ○	100 to 240 Vac	
	D ○ ○ ○	24Vdc	
IV	Outputs 1, 2 1 ○ ○ ○	1a1b relay: 1	
	2 ○ ○ ○	1a relay: 2	
V	Outputs 3, 4 C0 ○ -	Current (OUT3)	
	D0 ○ -	Continuous voltage (OUT3)	
	V0 ○ -	Voltage pulse (OUT3)	
	RR ○ -	1a relay + 1a relay	
	CC ○ -	Current + current	
	VV ○ -	Voltage pulse + voltage pulse	
	CV ○ -	Current (OUT3) + voltage pulse (OUT4)	
	SS - ○	Motor drive triac, MFR input: 1	
VI	Output 5 0 ○ ○ ○	None	
	R ○ ○ ○	1a relay	
	C ○ ○ ○	Current	
	D ○ ○ ○	Continuous voltage	
P ○ ○ ○	Power supply for signal transmitter		
VII	Outputs 6, 7 0 ○ ○ ○	None	
	VIII	Option 0 ○ ○ ○	DI: 2 (terminals F1 and F2)
		- ○ ○ ○	DI: 0
		1 ○ ○ ○	DI: 10
		- ○ ○ ○	DI: 8
		2 ○ ○ ○	DI: 2, DO: 8
		- ○ ○ ○	DI: 0, DO: 8
		3 ○ ○ ○	DI: 2, DO: 8, RS-485
- ○ ○ ○		DI: 0, DO: 8, RS-485	
IX	Additional processing 1 0 ○ ○ ○	None	
	T ○ ○ ○	Tropicalization	
	K ○ ○ ○	Antisulfidization	
	D ○ ○ ○	With inspection data	
	B ○ ○ ○	Tropicalization + inspection data	
	L ○ ○ ○	Antisulfidization + inspection data	
	Y ○ ○ ○	With traceability certification	
	Z ○ ○ ○	Tropicalization + traceability certification	
X ○ ○ ○	Antisulfidization + traceability certification		
X	Additional processing 2 0 ○ ○ ○	None	
	1 ○ ○ ○	Orange color for all LEDs	

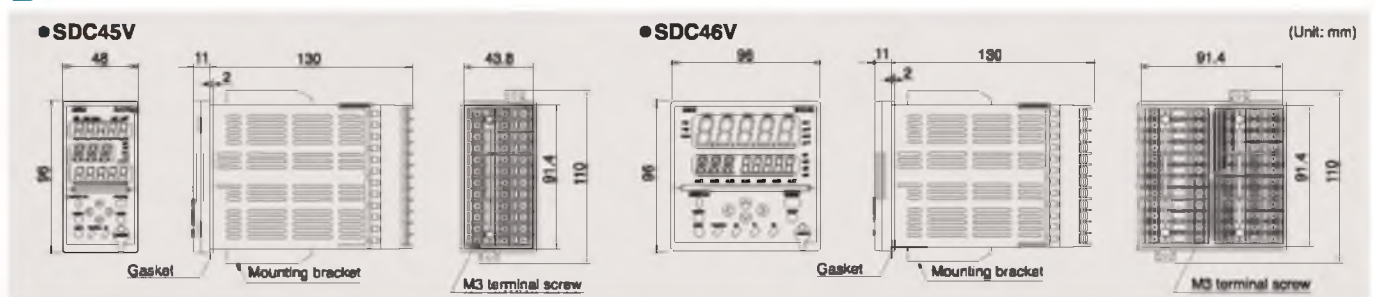
• A circle "○" denotes availability.

## ● Accessories (sold separately)

Model No.	Description
SLP-C45J60	Smart Loader Package
81441420-001	Terminal cover set*
81441421-001	Hard cover set (for SDC45)
81441422-001	Hard cover set (for SDC46)

\* 2 sets are needed for the SDC46V.

## ● Dimensions



### ● SDC46V I II III IV V VI VII VIII IX X Example: C46V2A1C000000

Segment	Model No. selection	Description	
I	Basic No. C46V ↓ ↓ ↓ ↓	Computation function model	
II	Input 2 ○ ○ ○ ○ ○	2-input model (full-multi: 2)	
	3 ○ ○ ○ ○ ○	3-input model (full-multi: 1, DC current / voltage: 2)	
III	Power A ○ ○ ○ ○ ○	100 to 240 Vac	
	D ○ ○ ○ ○ ○	24Vdc	
IV	Outputs 1, 2 1 ○ ○ ○ ○ ○	1a1b relay: 1	
	2 ○ ○ ○ ○ ○	1a relay: 2	
V	Outputs 3, 4 C0 ○ ○ - -	Current (OUT3)	
	D0 ○ ○ - -	Continuous voltage (OUT3)	
	V0 ○ ○ - -	Voltage pulse (OUT3)	
	RR ○ ○ - -	1a relay + 1a relay	
	CC ○ ○ - -	Current + current	
	VV ○ ○ - -	Voltage pulse + voltage pulse	
	CV ○ ○ - -	Current (OUT3) + voltage pulse (OUT4)	
	SS - - - ○	Motor drive triac, MFR input: 1	
VI	Output 5 0 ○ ○ ○ ○ ○	None	
	R ○ ○ ○ ○ ○	1a relay	
	C ○ ○ ○ ○ ○	Current	
	D ○ ○ ○ ○ ○	Continuous voltage	
P ○ ○ ○ ○ ○	Power supply for signal transmitter		
VII	Outputs 6, 7 0 ○ ○ ○ ○ ○	None	
	VIII	Option 1 ○ ○ ○ ○ ○	Current (OUT6)
		2 ○ ○ ○ ○ ○	Power supply for signal transmitter (OUT7)
		3 ○ ○ ○ ○ ○	Current + current
		4 ○ ○ ○ ○ ○	Current (OUT6) + power supply for signal transmitter (OUT7)
		0 ○ ○ ○ ○ ○	DI: 2 (terminals F1 and F2)
		- ○ ○ ○ ○ ○	DI: 0
		1 ○ ○ ○ ○ ○	DI: 14
- ○ ○ ○ ○ ○		DI: 12	
IX	Additional processing 1 0 ○ ○ ○ ○ ○	None	
	T ○ ○ ○ ○ ○	Tropicalization	
	K ○ ○ ○ ○ ○	Antisulfidization	
	D ○ ○ ○ ○ ○	With inspection data	
	B ○ ○ ○ ○ ○	Tropicalization + inspection data	
	L ○ ○ ○ ○ ○	Antisulfidization + inspection data	
	Y ○ ○ ○ ○ ○	With traceability certification	
	Z ○ ○ ○ ○ ○	Tropicalization + traceability certification	
X ○ ○ ○ ○ ○	Antisulfidization + traceability certification		
X	Additional processing 2 0 ○ ○ ○ ○ ○	None	
	1 ○ ○ ○ ○ ○	Orange color for all LEDs	

• A circle "○" denotes availability.



## Specifications

<b>PV1 input</b>	<b>Type</b>	Thermocouple, RTD, DC current/voltage
	<b>Range</b>	(See Input Type and Range table)
<b>PV2 input</b> (2-input model)	<b>Type</b>	Thermocouple, RTD, DC current/voltage
	<b>Range</b>	(See Input Type and Range table)
<b>PV21</b> (3-input model)	<b>Type</b>	DC current/voltage
	<b>Range</b>	0–20 mA, 4–20 mA, 0–5 V, 1–5 V and 0–10 V
<b>PV22</b> (3-input model)	<b>Type</b>	DC voltage
	<b>Range</b>	0–5 V, 1–5 V and 0–10 V
<b>PV input</b>	<b>Sampling cycle</b>	100 ms
<b>Indication</b>	<b>Type</b>	5-digit, 7-segment and 3-digit, 11-segment digital displays
	<b>Accuracy</b>	±0.1% rdg ±1 digit (depending on range)
<b>Output</b>	<b>No. of outputs</b>	SDC45V: 5 max. SDC46V: 7 max.
	<b>Type</b>	Relay, voltage pulse, DC current and voltage, motor drive, power supply or signal transmitter (24 Vdc)
	<b>Control mode</b>	PID (direct action, reverse action, heat/cool)
	<b>No. of PID groups</b>	16
	<b>Auto-tuning</b>	Automatic PID settings by limit cycle method (3 types)
<b>DI</b>	<b>No. of inputs</b>	SDC45V: 10 max. SDC46V: 14 max.
	<b>Function</b>	LSP change, READY/RUN changeover, indication changeover, etc.
<b>DO</b>	<b>No. of outputs</b>	8 max.
	<b>Function</b>	Process value, set value, deviation value, device alarm, etc.
<b>Communications</b>	<b>Type</b>	RS-485
	<b>No. of connected units</b>	31 max.
	<b>Speed</b>	34,800 bps max.
<b>General</b>	<b>Power</b>	100 to 240 Vac
	<b>Power consumption</b>	SDC45V: 30 VA max. SDC46V: 40 VA max.
	<b>Battery life</b>	3 years without connection to power (at 20 °C ambient temperature)
	<b>Certification</b>	CE marking
	<b>Front panel protection</b>	IP65
	<b>Mass</b>	SDC45V: 400 g max. SDC46V: 700 g max.

## Input Type and Range

Sensor	Sensor type	Range (°C)	Range (°F)
Thermocouple	K	-270.0 to +1372.0	-454 to +2502
	E	-270.0 to +1000.0	-454 to +1832
	J	-200.0 to +1200.0	-328 to +2192
	T	-270.0 to +400.0	-454 to +752
	B	0.0 to 1800.0	32 to 3272
	R	-50.0 to +1768.0	-58 to +3214
	S	-50.0 to +1768.0	-58 to +3214
	WRe5-26	0.0 to 2300.0	32 to 4172
	PR40-20	0.0 to 1900.0	32 to 3452
	Ni-NiMo	0.0 to 1300.0	32 to 2372
	N	-200.0 to +1300.0	-328 to +2372
	PL II	0.0 to 1350.0	32 to 2454
	DIN U	-200.0 to +600.0	-328 to +1112
DIN L	-200.0 to +600.0	-328 to +1082	
Gold-Iron Chromel	-273.0 to +27.0	-456 to +80	
RTD	Pt100	-200.0 to +850.0	-328.0 to +1562.0
		-200.00 to +300.00	-328.00 to +572.00
	JPt100	-200.0 to +840.0	-328.0 to +1544.0
		-200.00 to +300.00	-328.00 to +572.00
DC current (-1999.9 to +3200.0)	Current	4 to 20mA	
		0 to 20mA	
	Voltage	0 to 10mV	
		-10 to +10mV	
		0 to 100mV	
		-100 to +100mV	
		0 to 1V	
		-1 to +1V	
		1 to 5V	
		0 to 5V	
		0 to 10V	

### Input sensor standards

- Thermocouple K, J, E, T, R, S, B, N: JIS C 1602-1995
- RTD Pt100: JIS C 1604-1997
- PL II: ASTM E1751-00
- JPt100: JIS C 1604-1999
- WRe5-26: ASTM E988-96 (reapproved 2002)
- Ni-NiMo: ASTM E1751-00
- PR40-20: ASTM E1751-00
- DIN U, DIN L: DIN 43710-1985
- Golden Iron Chromel: ASTM E1751-00

# Мультиконтурный контроллер SDC45A/46A

High-speed, high-accuracy and high-performance next-generation controllers. The capabilities you expect from a high-end model, these controllers offer highly advanced functionality.

## Description

The SDC45A & SDC46A Multi-Loop Controllers are highly advanced, high precision compact digital indicating controllers, featuring a 5-digit indicator, an input sampling cycle of 25 ms, indication accuracy of +/-0,1% of reading and up to 2 control loops.

It offers PID control using the latest "RationalLOOP PID" (Ra-PID) and "Just-FiTTER" algorithms. Up to 7 control outputs (depending on the model) are available, selectable from relay contact, voltage pulse, motor drive (triac, relay), DC current/voltage and transmitter power (24 Vdc).



## Features

- Easy to see, easy to operate
- Broad application support includes nonlinear processes
- Thoughtful design responding to a variety of needs
- Enhanced software for advanced hardware

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