SDC 71

MODEL SELECTION GUIDE

I	II	III	IV	V	VI	VII

Example: SDC2005GK09A00701

I	II	III	IV	V	VI	VII	Contents (O: Included, –: Not included)
Basic Model No.	Control action	Input type range	Power supply	Optional function 1	Optional function 2	Additional processing	
SDC 200							Digital controller
	0D						Time proportional PID: Relay contact, 250v ac 5A, resistive load
	6D						Time proportional PID: Voltage 22.5V dc ±10%
	2G						Position proportional PID: M/M drive relay contact, 250V ac 0.5A, 24V ac 0.5A, resistive load
	5G						Continuous PID: Current 4 to 20mA dc
	3D						Output 1: Time proportional PID: Relay contact 250V ac 5A, resistive load Output 2: Time proportional PID: Relay contact 250V ac 5A, resistive load
	AK						Output 1: Time proportional PID: Current 4 to 20mA dc, resistive load, max. 600Ω Output 2: Time proportional PID: Relay contact 250V ac 5A, resistive load
	5K						Output 1: Continuous PID: Current 4 to 20mA dc, resistive load, max. 600Ω Output 2: Continuous PID: Current 4 to 20mA dc, resistive load, max. 600Ω
	9K						Output 1: Time proportional PID: Voltage 22.5V dc ±10%, internal resistance 1.5kΩ ±10% Output 2: Time proportional PID: Relay contact 250V ac 5A, resistive load
	8K						Output 1: Continuous PID: Current 4 to 20mA dc, resistive load 600Ω max. Output 2: Time proportional PID: Voltage 22.5V dc ±10%, internal resistance 1.5kΩ ±10%
Selected from ▶ Table 1.							
			A				90 to 264V ac, 50/60Hz
				0			None
				A			RS-422 communications provided
				B			RS-232 communications provided

		Event 3	External switch input	Remote setpoint	Auxiliary output	Application control action								
		EV3	RSW	RSP	AUX	0D	2G	5G	6D	3D	AK	5K	9K	8K
00		–	–	–	–	O	O	O	O	O	O	O	O	O
01		–	O	–	–	O	O	O	O	O	O	O	O	O
02		O	O	–	–	O	–	O	O	–	–	O	–	–
03		–	O	O	–	O	O	O	O	O	O	O	O	O
04		O	O	O	–	O	–	O	O	–	–	O	–	–
05		–	O	–	O	O	O	O	O	O	O	–	O	O
06		O	O	–	O	O	–	O	O	–	–	–	–	–
07		–	O	O	O	O	O	O	O	O	O	–	O	O
08		O	O	O	O	O	–	O	O	–	–	–	–	–

01	None
D1	With test data
T1	Tropical treatment
B1	Tropical treatment with test data.
K1	With acid treatment.

Table 1.: Type of Inputs / Ranges

Model No.	Type of input	Range		Resolution		PV range code	Multi-range
T44	Thermocouple T(CC)	−199.9 to +300.0°C	−300 to +700°F	0.1°C	1°F	6	Select-able
K04	Thermocouple K(CA)	0.0 to 400.0°C	0 to 750°F	0.1°C	1°F	12	
J08	Thermocouple J(IC)	0 to 800°C	0 to 1600°F	1°C	1°F	2	
E08	Thermocouple E(CRC)	0 to 800°C	0 to 1600°F	1°C	1°F	1	
K08	Thermocouple K(CA)	0 to 800°C	0 to 1600°F	1°C	1°F	11	
K09	Thermocouple K(CA)	0 to 1200°C	0 to 2400°F	1°C	1°F	3	
U13	Thermocouple N	0 to 1300°C	32 to 2372°F	1°C	1°F	9	
Y13	Thermocouple PLII	0 to 1300°C	32 to 2372°F	1°C	1°F	10	
R16	Thermocouple R(PR13)	0 to 1600°C	0 to 3100°F	1°C	1°F	4	
S16	Thermocouple S(PR10)	0 to 1600°C	0 to 3100°F	1°C	1°F	5	
B18	Thermocouple B(PR30-6)	0 to 1800°C	0 to 3300°F	1°C	1°F	0	
D19	Thermocouple PR40-2	0 to 1900°C	(0 to 3400°F)	1°C	1°F	8	
W23	Thermocouple W(WRe5-26)	0 to 2300°C	0 to 4200°F	1°C	1°F	7	
F50	JIS '89 Pt100 (equivalent to IEC & DIN)	−200 to +500°C	−300 to +900°F	1°C	1°F	20	Select-able
F46	"	−199.9 to +200.0°C	−300 to +400°F	0.1°C	1°F	21	
F32	"	−100.0 to +150.0°C	−150.0 to +300.0°F	0.1°C	0.1°F	32	
F36	"	−50.0 to +200.0°C	−50.0 to +400.0°F	0.1°C	0.1°F	31	
F33	"	−40.0 to +60.0°C	−40.0 to +140.0°F	0.1°C	0.1°F	30	
F01	"	0.0 to 100.0°C	0.0 to 200.0°F	0.1°C	0.1°F	34	
F03	"	0.0 to 300.0°C	0.0 to 500.0°F	0.1°C	0.1°F	33	
F05	"	0.0 to 500.0°C	0.0 to 900°F	0.1°C	1°F	29	
P48	JIS '89 JPt100 (old JIS Pt100)	−199.9 to +200.0°C	−300 to +400°F	0.1°C	1°F	22	
P32	"	−100.0 to +150.0°C	−150.0 to +300.0°F	0.1°C	0.1°F	26	
P36	"	−50.0 to +200.0°C	−50.0 to +400.0°F	0.1°C	0.1°F	25	
P33	"	−40.0 to +60.0°C	−40.0 to +140.0°F	0.1°C	0.1°F	24	
P01	"	0.0 to 100.0°C	0.0 to 200.0°F	0.1°C	0.1°F	28	
P03	"	0.0 to 300.0°C	0.0 to 500.0°F	0.1°C	0.1°F	27	
P05	"	0.0 to 500.0°C	0.0 to 900°F	0.1°C	1°F	23	
C01	Current 4 to 20mA dc linear	Programmable	−1999 to +9999	–	–	40	Select-able
L02	Voltage −10 to +10mV dc linear	Programmable	−1999 to +9999	–	–	42	
M01	Voltage 0 to 10mV dc linear	Programmable	−1999 to +9999	–	–	41	
V01	Voltage 1 to 5V dc linear	Programmable	−1999 to +9999	–	–	45	