

## DCP551 Parameter Work Sheet

### ■ PID parameter setting

No.	Item code	Item	Factory default settings	User settings	Settings and descriptions
1	P-1	Proportional band (PID group 1)	100.0		0.0 to 1000.0% (0.0: On-off control)
2	I-1	Integral time (PID group 1)	0		0 to 3600sec (0: no integral operation)
3	d-1	Derivative time (PID group 1)	0		0 to 1200sec (0: no derivative operation)
4	rE-1	Manual reset (PID group 1)	50.0		0.0 to 100.0%
5	oL-1	Manipulated variable lower limit (Output limiter group 1)	0.0		-5.0 to manipulated variable upper limit %
6	oH-1	Manipulated variable upper limit (Output limiter group 1)	100.0		Manipulated variable lower limit to +105.0%
7	P-2	Proportional band (PID group 2)	100.0		0.0 to 1000.0% (0.0: On-off control)
8	I-2	Integral time (PID group 2)	0		0 to 3600sec (0: no integral operation)
9	d-2	Derivative time (PID group 2)	0		0 to 1200sec (0: no derivative operation)
10	rE-2	Manual reset (PID group 2)	50.0		0.0 to 100.0%
11	oL-2	Manipulated variable lower limit (Output limiter group 2)	0.0		-5.0 to manipulated variable upper limit %
12	oH-2	Manipulated variable upper limit (Output limiter group 2)	100.0		Manipulated variable lower limit to +105.0%
13	P-3	Proportional band (PID group 3)	100.0		0.0 to 1000.0% (0.0: On-off control)
14	I-3	Integral time (PID group 3)	0		0 to 3600sec (0: no integral operation)
15	d-3	Derivative time (PID group 3)	0		0 to 1200sec (0: no derivative operation)
16	rE-3	Manual reset (PID group 3)	50.0		0.0 to 100.0%
17	oL-3	Manipulated variable lower limit (Output limiter group 3)	0.0		-5.0 to manipulated variable upper limit %
18	oH-3	Manipulated variable upper limit (Output limiter group 3)	100.0		Manipulated variable lower limit to +105.0%
19	P-4	Proportional band (PID group 4)	100.0		0.0 to 1000.0% (0.0: On-off control)
20	I-4	Integral time (PID group 4)	0		0 to 3600sec (0: no integral operation)
21	d-4	Derivative time (PID group 4)	0		0 to 1200sec (0: no derivative operation)
22	rE-4	Manual reset (PID group 4)	50.0		0.0 to 100.0%
23	oL-4	Manipulated variable lower limit (Output limiter group 4)	0.0		-5.0 to manipulated variable upper limit %
24	oH-4	Manipulated variable upper limit (Output limiter group 4)	100.0		Manipulated variable lower limit to +105.0%
25	P-5	Proportional band (PID group 5)	100.0		0.0 to 1000.0% (0.0: On-off control)
26	I-5	Integral time (PID group 5)	0		0 to 3600sec (0: no integral operation)
27	d-5	Derivative time (PID group 5)	0		0 to 1200sec (0: no derivative operation)
28	rE-5	Manual reset (PID group 5)	50.0		0.0 to 100.0%
29	oL-5	Manipulated variable lower limit (Output limiter group 5)	0.0		-5.0 to manipulated variable upper limit %
30	oH-5	Manipulated variable upper limit (Output limiter group 5)	100.0		Manipulated variable lower limit to +105.0%
31	P-6	Proportional band (PID group 6)	100.0		0.0 to 1000.0% (0.0: On-off control)
32	I-6	Integral time (PID group 6)	0		0 to 3600sec (0: no integral operation)
33	d-6	Derivative time (PID group 6)	0		0 to 1200sec (0: no derivative operation)
34	rE-6	Manual reset (PID group 6)	50.0		0.0 to 100.0%
35	oL-6	Manipulated variable lower limit (Output limiter group 6)	0.0		-5.0 to manipulated variable upper limit %
36	oH-6	Manipulated variable upper limit (Output limiter group 6)	100.0		Manipulated variable lower limit to +105.0%

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No.	Item code	Item	Factory default settings	User settings	Settings and descriptions
37	P-7	Proportional band (PID group 7)	100.0		0.0 to 1000.0% (0.0: On-off control)
38	I-7	Integral time (PID group 7)	0		0 to 3600sec (0: no integral operation)
39	d-7	Derivative time (PID group 7)	0		0 to 1200sec (0: no derivative operation)
40	xE-7	Manual reset (PID group 7)	50.0		0.0 to 100.0%
41	oL-7	Manipulated variable lower limit (Output limiter group 7)	0.0		-5.0 to manipulated variable upper limit %
42	oH-7	Manipulated variable upper limit (Output limiter group 7)	100.0		Manipulated variable lower limit to +105.0%
43	P-8	Proportional band (PID group 8)	100.0		0.0 to 1000.0% (0.0: On-off control)
44	I-8	Integral time (PID group 8)	0		0 to 3600sec (0: no integral operation)
45	d-8	Derivative time (PID group 8)	0		0 to 1200sec (0: no derivative operation)
46	xE-8	Manual reset (PID group 8)	50.0		0.0 to 100.0%
47	oL-8	Manipulated variable lower limit (Output limiter group 8)	0.0		-5.0 to manipulated variable upper limit %
48	oH-8	Manipulated variable upper limit (Output limiter group 8)	100.0		Manipulated variable lower limit to +105.0%
49	P-9	Proportional band (PID group 9)	100.0		0.0 to 1000.0% (0.0: On-off control)
50	I-9	Integral time (PID group 9)	0		0 to 3600sec (0: no integral operation)
51	d-9	Derivative time (PID group 9)	0		0 to 1200sec (0: no derivative operation)
52	xE-9	Manual reset (PID group 9)	50.0		0.0 to 100.0%
53	oL-9	Manipulated variable lower limit (Output limiter group 9)	0.0		-5.0 to manipulated variable upper limit %
54	oH-9	Manipulated variable upper limit (Output limiter group 9)	100.0		Manipulated variable lower limit to +105.0%
55	P-A1	Proportional band (PID group A1)	100.0		0.0 to 1000.0% (0.0: On-off control)
56	I-A1	Integral time (PID group A1)	0		0 to 3600sec (0: no integral operation)
57	d-A1	Derivative time (PID group A1)	0		0 to 1200sec (0: no derivative operation)
58	xE-A1	Manual reset (PID group A1)	50.0		0.0 to 100.0%
59	CP-A1	Switching point (PID group A1)	1000 SPU		-19999 to +20000 SPU
60	tP-A1	Tuning point (PID group A1)	500 SPU		-19999 to +20000 SPU
61	P-A2	Proportional band (PID group A2)	100.0		0.0 to 1000.0% (0.0: On-off control)
62	I-A2	Integral time (PID group A2)	0		0 to 3600sec (0: no integral operation)
63	d-A2	Derivative time (PID group A2)	0		0 to 1200sec (0: no derivative operation)
64	xE-A2	Manual reset (PID group A2)	50.0		0.0 to 100.0%
65	CP-A2	Switching point (PID group A2)	2000 SPU		-19999 to +20000 SPU
66	tP-A2	Tuning point (PID group A2)	1500 SPU		-19999 to +20000 SPU
67	P-A3	Proportional band (PID group A3)	100.0		0.0 to 1000.0% (0.0: On-off control)
68	I-A3	Integral time (PID group A3)	0		0 to 3600sec (0: no integral operation)
69	d-A3	Derivative time (PID group A3)	0		0 to 1200sec (0: no derivative operation)
70	xE-A3	Manual reset (PID group A3)	50.0		0.0 to 100.0%
71	CP-A3	Switching point (PID group A3)	3000 SPU		-19999 to +20000 SPU
72	tP-A3	Tuning point (PID group A3)	2500 SPU		-19999 to +20000 SPU

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No.	Item code	Item	Factory default settings	User settings	Settings and descriptions
73	P-A4	Proportional band (PID group A4)	100.0		0.0 to 1000.0% (0.0: On-off control)
74	I-A4	Integral time (PID group A4)	0		0 to 3600sec (0: no integral operation)
75	d-A4	Derivative time (PID group A4)	0		0 to 1200sec (0: no derivative operation)
76	zE-A4	Manual reset (PID group A4)	50.0		0.0 to 100.0%
77	CP-A4	Switching point (PID group A4)	4000 SPU		-19999 to +20000 SPU
78	tP-A4	Tuning point (PID group A4)	3500 SPU		-19999 to +20000 SPU
79	P-A5	Proportional band (PID group A5)	100.0		0.0 to 1000.0% (0.0: On-off control)
80	I-A5	Integral time (PID group A5)	0		0 to 3600sec (0: no integral operation)
81	d-A5	Derivative time (PID group A5)	0		0 to 1200sec (0: no derivative operation)
82	zE-A5	Manual reset (PID group A5)	50.0		0.0 to 100.0%
83	CP-A5	Switching point (PID group A5)	5000 SPU		-19999 to +20000 SPU
84	tP-A5	Tuning point (PID group A5)	4500 SPU		-19999 to +20000 SPU
85	P-A6	Proportional band (PID group A6)	100.0		0.0 to 1000.0% (0.0: On-off control)
86	I-A6	Integral time (PID group A6)	0		0 to 3600sec (0: no integral operation)
87	d-A6	Derivative time (PID group A6)	0		0 to 1200sec (0: no derivative operation)
88	zE-A6	Manual reset (PID group A6)	50.0		0.0 to 100.0%
89	CP-A6	Switching point (PID group A6)	6000 SPU		-19999 to +20000 SPU
90	tP-A6	Tuning point (PID group A6)	5500 SPU		-19999 to +20000 SPU
91	P-A7	Proportional band (PID group A7)	100.0		0.0 to 1000.0% (0.0: On-off control)
92	I-A7	Integral time (PID group A7)	0		0 to 3600sec (0: no integral operation)
93	d-A7	Derivative time (PID group A7)	0		0 to 1200sec (0: no derivative operation)
94	zE-A7	Manual reset (PID group A7)	50.0		0.0 to 100.0%
95	CP-A7	Switching point (PID group A7)	20000SPU (fixed)		20000 SPU (fixed)
96	tP-A7	Tuning point (PID group A7)	6500 SPU		-19999 to +20000 SPU