Badger Meter

Industrial Process Controller

PC100 to PC200 Connection Equivalents

PC100 TO PC200 CONNECTION EQUIVALENTS

PC100 Pin Feature	PC100 Pin	PC200 Equivalent	PC200 Pin	Note
Reset Cycle Counter	1	Reset Count	32	—
Resume Remote Input	2	START	9	(Hold/Start replaces stop/resume) logic hi: run logic low: stop. (100 ms min. momentary)
Stop Remote Input	3	HOLD	10	(Hold/Start replaces stop/resume) logic hi: run logic low: stop. (100 ms min. momentary)
Reset Totalizer	4	Reset Total	12	Logic low: reset
Transistor Output 1	5	T1	14	—
Transistor Output 2	6	T2	15	—
Transistor Output 3	7	T3	16	—
Transistor Output 1A	8	N/A	N/A	Not implemented
Transistor Output 2A	9	N/A	N/A	Not implemented
Transmitter Input 2	10	N/A	N/A	Not implemented
Low Frequency 2	11	N/A	N/A	Not implemented
DC Common	12	⊥	3	—
Low Frequency 1	13	SLOW	7	Reed switch
Transmitter Input 1	14	FAST	6, 7	See the *Flow Meter Input* section of the *Model PC200 User Manual*
Function Inhibit	15	LOCK	2	Logic low: lock
Print Command	16	N/A	N/A	Not implemented
Start Command	17	START	9	Logic low: start (100 ms min. momentary)
Pulse Input Doubler	18	N/A	N/A	Not implemented
DC Power Input	19	+ ↑	28	—
15 VDC Power Output	20	+ ↓	5, 29	Adjustable between 8.2, 12 and 24V DC with switch 1 & 2
DC Common	21	⊥	3, 27	—
Relay K1 Contact NC	22	NC	44	—
Relay K1 Contact C	23	C	43	—
Relay K1 Contact NO	24	NO	42	—
AC Power Input	25	L1, L2	22, 23	Supports 110…230V AC, no jumper wire needed
AC Power Input	26	L1, L2	22, 23	Supports 110…230V AC, no jumper wire needed
AC Power Input	27	L1, L2	22, 23	Supports 110…230V AC, no jumper wire needed
AC Power Input	28	L1, L2	22, 23	Supports 110…230V AC, no jumper wire needed
Relay K2 Contact NC	29	NC	48	—
Relay K2 Contact C	30	C	47	—
Relay K2 Contact NO	31	NO	46	—
Chassis Ground	32	⊥	24	Not implicitly tied to chassis ground (must connect ground lug)
Serial Data Input (–)	33	N/A	N/A	Not implemented
Serial Data Input (+)	34	N/A	N/A	Not implemented
Serial Data Output (+)	35	N/A	N/A	Not implemented
Serial Data Output (–)	36	N/A	N/A	Not implemented

PC100

Also see the *"PC100 Process Controller Installation and Operation Manual."*

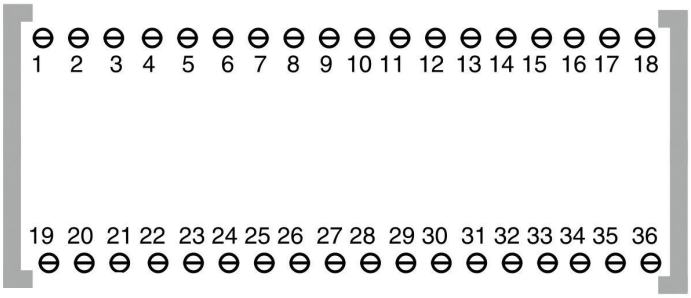

Figure 1: PC100 terminal configuration, rear view

Pin	Function	Pin	Function
1	Reset Cycle Counter	19	DC Power Input
2	Resume Remote Input	20	15V DC Power Output
3	Stop Remote Input	21	DC Common
4	Reset Totalizer	22	Relay K1 Contact NC
5	Transistor Ouput 1	23	Relay K1 Contact C
6	Transistor Ouput 2	24	Relay K1 Contact NO
7	Transistor Ouput 3	25	AC Power Input
8	Transistor Output 1A	26	AC Power Input
9	Transistor Output 2A	27	AC Power Input
10	Transmitter Input 2	28	AC Power Input
11	Low Frequency 2	29	Relay K2 Contact NC
12	DC Common	30	Relay K2 Contact C
13	Low Frequency 1	31	Relay K2 Contact NO
14	Transmitter Input 1	32	Chassis Ground
15	Function Inhibit	33	Serial Data Input (–)
16	Print Command	34	Serial Data Input (+)
17	Start Command	35	Serial Data Output (+)
18	Pulse Input Doubler	36	Serial Data Output (–)

Table 1: PC100 pin configuration

PC200

Also see the *"PC200 Industrial Process Controller User Manual."*

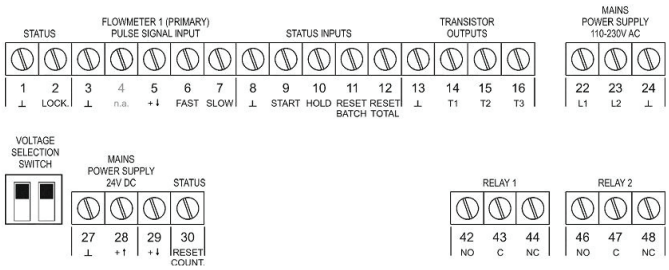

Figure 2: PC200 terminal configuration, rear view

Pin	Function	Pin	Function
1	DC Common	16	Transistor Ouput 3 (T3)
2	Lock	22	AC Power Input (L1)
3	DC Common	23	AC Power Input (L2)
4	Not Used	24	DC Common
5	15V DC Power Output *	27	DC Common
6	Fast	28	DC Power Input
7	Slow	29	15V DC Power Output
8	DC Common	30	Reset Count
9	Start	42	Relay 1 NO
10	Hold	43	Relay 1 C
11	Reset Batch	44	Relay 1 NC
12	Reset Total	46	Relay 2 NO
13	DC Common	47	Relay 2 C
14	Transistor Ouput 1 (T1)	48	Relay 2 NC
15	Transistor Ouput 2 (T2)		

* Programmable depending on supply voltage switch settings.

Table 2: PC200 pin configuration

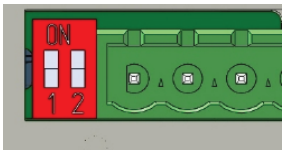

Figure 3: PC200 supply voltage

Voltage Selection		
Switch 1	**Switch 2**	**Voltage**
on	on	24V DC
on	off	8.2V DC
off	off	12V DC

Table 3: Switch positions

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