FDC - P41 & P91 PROFILE CONTROLLERS

Number of Profiles: 9
Number of Segments per Profile:
Programs 1-4: up to 16 segments
Programs 5-7: up to 32 segments
Programs 8-9: up to 64 segments

Up to 5 Outputs
PID control outputs; max 2
Alarm or event outputs; max 3
Retransmission PV/SP; max 2
Serial Modbus RS485; max 1

Segment PID Selection, Event Outputs, Holdback, Jump/Cycle and more
Event Input for remote profile functions
Configurable Power Recovery options, Delayed Start and more.

Enter a number into each box which corresponds to the specifications you want when ordering either a P41 or P91.
Schedule A

FDC-P41 -
FDC-P91 -

1	2	3	4	5	6	7	8	9
					0			

1. POWER INPUT

4: 90-250VAC, 47-63 HZ
5: 11-26 VAC or VDC
9: Special Order

2. SIGNAL INPUT*

1. Thermocouple: J,K,T,E,B,R,S,N,L,C,P
RTD: PT100 DIN & JIS
Voltage: 0-60mV
5. Voltage: 0-10VDC, 0-5VDC, 1-5VDC
6: mA: 0-20/4-20mA

3. OUTPUT 1

0. None
1. Relay 2A/240VAC (SPST)
2. SSR Drive 5VDC @30mA
3. 4-20/0-20mA linear, isolated, max load 500 ohm load
4. 1-5/0-5/0-10VDC linear, isolated, min 10K ohm load
6. Triac 1A/240VAC
C. SSR Drive 14VDC @40mA

4. OUTPUT 2

0. None
1. Relay 2A/240VAC (SPST)
2. SSR Drive 5VDC @30mA
3. 4-20/0-20mA linear, isolated, max load 500 ohm load
4. 1-5/0-5/0-10VDC linear, isolated, min 10K ohm load
6. Triac 1A/240VAC
7. Transmitter power supply 20VDC @25mA, isolated
8. Transmitter power supply 12VDC @40mA, isolated
A. Transmitter power supply 5VDC @80mA, isolated
C. SSR Drive 14VDC @40mA

5. OUTPUT 3

0. None
1. Relay 2A/240VAC (P41 SPDT/ P91 SPST)
2. SSR Drive 5VDC @30mA
6. Triac 1A/240VAC
7. Transmitter power supply 20VDC @25mA, isolated
8. Transmitter power supply 12VDC @40mA, isolated
A. Transmitter power supply 5VDC @80mA, isolated
C. SSR Drive 14VDC @40mA

* An Event Input is standard; configurable for Profile Run, Profile Hold, Profile Abort, Profile Advance Segment, PID#2, Manual Mode, Failure Transfer Mode or Off (all control outputs off).

6. Output 4 (Options apply only to P41)

0. None (required for P91)
1. Relay 2A/240VAC (SPST)
2. SSR Drive 5VDC @30mA
3. Retransmission 4-20/0-20mA, isolated, max load 500 ohm load
4. Retransmission 1-5/0-5/0-10VDC, isolated, min 10K ohm load
6. Triac 1A/240VAC
7. Transmitter power supply 20VDC @25mA, isolated
8. Transmitter power supply 12VDC @40mA, isolated
A. Transmitter power supply 5VDC @80mA, isolated
C. SSR Drive 14VDC @40mA

7. Output 5

0. None
3. Retransmission 4-20/0-20mA, isolated, max load 500 ohm load
4. Retransmission 1-5/0-5/0-10VDC, isolated, min 10K ohm load
7. Transmitter power supply 20VDC @25mA, isolated
8. Transmitter power supply 12VDC @40mA, isolated
A. Transmitter power supply 5VDC @80mA, isolated
D. RS-485 Modbus RTU (isolated)
E. RS-232 Modbus RTU (isolated)

8. OPTIONS

0. Panel Mount IP50 standard
1. Panel Mount IP65 (Nema 4X)
2. DIN Rail Mount with IP50 (P91 only)
3. DIN Rail Mount with IP65 (P91 only, Nema 4X)

9. SPECIAL ORDER

Leave Blank unless assigned a specific 2-character Special Order Code

Note: The last digit (codes 9) is typically left blank

Output 2: When configured as control output PID cool only (requires output #1 to be PID) cool outputs: Relay, SSR or mA/VDC.

FDC-P91 DIN Rail Mount Adapter model DRA-16 refer to page 40

UL c UL File#: E197216 209463 CE RoHS Compliant

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