

**BASE PRICING:**

FDC - 401/901	\$99.00	FDC - 805	\$189.00
FDC - 402/902	\$109.00	FDC - 404	\$145.00
FDC - 905	\$179.00	FDC - 405	\$199.00

Analog Controllers



(1/16 DIN)	FDC - 901/902/905	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
(1/8 DIN)	FDC - 805								
(1/4 DIN)	FDC - 401/402/404/405								
Schedule A		1	2	3	4	5	6	7	8

**1. POWER INPUT**

- 1: 100-130VAC, 50/60HZ (901/902 ONLY) N/C
- 2: 200-230VAC, 50/60HZ (901/902 ONLY) N/C
- 3: 100-130VAC/200-240VAC, 50/60HZ (401/402 ONLY) N/C
- 4: 90-240VAC, 50/60HZ (404/405/805/905 ONLY) N/C

**2. SIGNAL INPUT**

- 1: Type J Thermocouple N/C
- 2: Type K thermocouple N/C
- 3: RTD/PT100 Ohm (DIN) N/C
- 9: Special Order

**3. TEMPERATURE RANGE**

- Models FDC-905-805-405 N/C
- V: 0 to 999F
- Models FDC-901/902/401/402/404 N/C
- E: 50 to 850F
- 5: 0 to 400C
- Additional ranges available: consult factory

**4. CONTROL TYPE**

- 1: On-Off N/C
- 2: Proportional N/C

**5. OUTPUT 1 TYPE**

- 0: None N/C
- 1: Relay rated 3 amps @ 240VAC resistive, (N.O./N.C.) SPDT N/C
- 2: SSR Drive 3-32 VDC rated at 5V@ 30mA N/C
- 3: 4-20mA linear, isolated, max load 500 ohms \$26.00
- 4: 0-20mA linear, isolated, max load 500 ohms \$26.00
- 5: 0-10VDC linear, isolated, max impedance 10K ohms \$26.00
- 9: Special Order

**6. OUTPUT 2 TYPE**

- 0: None N/C

DIN Rail Mount Adapter for 1/16 DIN controls:  
 Model DRA-16 refer to page 27

**7. ALARM OUTPUT**

- 0: NONE (use for models 901/902/905/401/402) N/C
  - 1: Relay 2 amps @ 240VAC Resistive (N.O./N.C.) SPDT \$15.00
- Relay is for deviation alarm only on models 404/405/805

**8. OPTIONS**

- 0: None N/C

**Notes:**

Proportional Control Output:  
 When specified with proportional control output note that "P" only control is available; Integral & Derivative are not offered [full PID]. If full PID and/or Auto Tune features are required refer to the Microprocessor based control [300](#), [100](#) and/or [C](#) Series.

Manual Reset Adjustment for Proportional Control Output:  
 A reset pot for adjusting proportional band is provided on all controls regardless if control is ordered as On-Off or Proportional; exceptions are the Models 901/902 & 401/402. A manual reset pot is only provided on these controls when ordered with Proportional control output.

On-Off and Proportional Control Output:  
 Controls ordered with Relay output may be field configured for On-Off or Time Proportioning Output [requires soldering]

Controls ordered with Relay output may have hardware modified to change Relay to Linear Proportional Outputs. [requires soldering output module or relay to replace original components.]

Differences — 901/401 and 902/402:  
 The 902/402 offer High/Low deviation LED indicators. When PV is within "x" % of Range of SP, LED operation is as follows:

- PV within 1-5% of range of SP both LEDs ON
- PV within 1% of range of SP both LEDs OFF
- PV greater than 5% of range of SP, both LEDs will flash.



Models: 901, 902, 404, 405, 805: #E197216



Models: 404,805: #207210



RoHS Compliant

P.O. Box 1196 - Bridgeview, IL 60455  
 888.751.5444 Sales - 888.307.8014 Fax

Technical Support: 866.342.5332  
<http://www.futuredesigncontrols.com>