

FUZYPRO F18 1/18 DIN PROCESS Temperature Controller

FEATURES:

- PID auto tuning
- Two Fuzzylogic PID control processes, with two individual outputs.
- Multi range input (TC, RTD, mV) each with 14 bit resolution
- Relay output, SSR drive, 4-20mA changeable by a module.
- Three-point alarm, with 19 alarm modes
- Non-volatile memory & Self-diagnosis function
- AUTO ZERO and AUTO SPAN circuit retain high accuracy.
- Free range voltage from AC 85V to 265V or DC 10-50V.
- Data lock function.
- With output percentage control, on sensor break the controller automatically transfers to manual operation to be controlled by power output 0 to 100 percent.
- Standard type with 1 ramp and 1 soak available

OPTIONS:

- Transmitter output 0 to 20 mA 4 - 20 mA DC Volts etc
- Input 2 can be used as Remote SV.
- 2 pattern each 8 segments programmable Ramp Soak

SPECIFICATIONS:

Input (Main):

- T/CK, J, R, S, B, E, N, T, W, PL11, U, L, selectable
- RTD.....PT100 (DIN) selectable
- DCV10~10mV, 0~10mV, 0~20mV, 0~50mV, 0~1V, 0~5V, 0~10V selectable
- DC mA0~20mA, 4~20mA selectable others to be ordered

Input (Sub):

- Remote Set:0~50mV, 0~20mA, 0~1V, 0~5V to be ordered
- Remote Set:10~50mV, 4~20mA, 1~5V to be ordered

Output:

- Relay Output.....SPST 5A/240VAC
- SSR Drive20mA/20 VDC
- Current proportioning output.....4~20mA adjustable (maximum load 800 ohm)
- Open loop circuit servo motor control 10A/240VAC
- Alarm.....SPST 5A/240VAC for MC-2438, 2738
-SPDT 5A/240VAC for other models



Control Mode:

ON/OFF.....variable sensitivity
P (proportional)0-200%adjustable
I (Integral)0-3600 sec, adjustable
D (Derivative)0-900 sec. adjustable
Fuzzy49 status considered 49
Proportioning cycle time0-150 sec adjustable (mA=0, SSR=1, RY>10)

Electric character:

Working VoltageAC85~265VAC or 10~50VDC
Power Consumption .2VA
Isolated resistance....20M OHM up (DC500V)
Dielectricity strength AC2000V 50/60 Hz 1Min.
Sampling Time250ms
Accuracy±.02% of full range ±1 digit

Mechanical character:

Working temperature.....-10~+50 ° C
Storage temperature.-10 ~+70 ° C
Working humidity50~+85% RH