

FUZYPRO F14 1/4 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