FUZYPRO **F16   1/16 DIN PROCESS Temperature Controller**

FEATURES:

PID auto tuning
Two Fuzylogic 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/C ....K, J, R, S, B, E, N, T, W, PL11, U, L, selectable
RTD.................PT100 (DIN) selectable
DCV ....10~10mV, 0~10mW, 0~20MV, 0~50mV, 0~1V, 0~5V, 0~10V selectable
DC mA ....0~20mA, 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 Drive ....20mA/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
Fuzzy ....49 status considered 49
Proportioning cycle time ....0-150 sec adjustable (mA=0, SSR=1, RY>10)

Electric character:

Working Voltage......AC85~265VAC or 10~50VDC
Power Consumption.2VA
Isolated resistance....20M OHM up (DC500V)
Dielectricity strength AC2000V 50/60 Hz 1Min.
Sampling Time 250ms
Accuracy ....$\pm$.02% of full range $\pm$1 digit

Mechanical character:

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