



**DESCRIPTION:**

This system is specifically designed to control temperature by controlling the volume of chilled water inside the pipe. It maintains the temperature based from set point by calculating the output position based on the proven PI control algorithms. For monitoring purposes, displays both for the temperature reading and set point are provided.

**Features:**

User Friendly Interfacing

1. Push buttons for temperature adjustments plus clear and intuitive displays intended for viewing of actual temperature, set point and other functions.
2. Password protected via programmable user and control parameters for additional security.

Flexible functions

1. Multi-function programming that allows programmer to input different control parameters for tailor-fit system based from the user's specific requirements.

Open & Flexible

1. Thermistors are equipped with variety of wall, duct or immersion installation of thermistors. It also offers more accuracy reading with enclosures for endurance and efficient operation.

**Motorized Valves:**

Type	Two-way or three-way (varies on requirements)
Flow Media	Hot & Cold Water, water w/ glycol up to 50% by volume
Temperature Medium	+5c ..... + 120C
Rated Pressure	DN15 to DN 80.....2800 psi DN100 to DN 150.....1600psi
Flow Characteristics	Control path A-AB equal percentage ( to VDI/VDE 2173 )N(ep)=3, optimized in opening range By-pass B=AB linear ( to VDI/VDE 2173 )
Pipe Connection	DN15 to DN50....female screw ISO 7/1 DN65 to DN150....flange type ISO 7005-1
Closing Pressure	Please refer ENYE technical Brochures
Stroke	Please refer ENYE technical Brochures
Mounting Position	Please refer ENYE technical Brochures
Maintenance	Maintenance Fee
Materials	Please refer ENYE technical Brochures



**Valve Actuator:**

Type	Multifunction
Nominal Voltage	AC 24 V 50/60 Hz, DC 24 V
Voltage Range	AC 19.2....28.8V, DC 21.6....28.8V
For Wire Sizing	5VA
Power consumption	3W
Connecting Cable	Cable 1m, 5 x 0.75 mm
Control signal	DC 0...10V @ 100Kohms, 3-point floating (programmable)
Operating Signal	DC 2....10V for 0 – 100% stroke ( programmable)
Characteristics	Equal percentage/ linear ( programmable )
Max. Stroke	23 mm or 53mm ( programmable )



**Standalone P-PI Controller Technical Data:**

Type	Multifunction
Nominal Voltage	AC 21.5 – 26.5 50/60Hz
Power Consumption	2VA
Input Signal	0-10V DC, Min and Max Adjustable via software
Resolution	39 mV
Output Signal	0 – 10V DC, min and max. adjustable via software
Maximum Load	20 mA, 500ohms
Control Temp. Range	10 to 35c
Measured Temp. Range	0 to 40c
Display Precision	0.5K
Environment	Please refer to ENYE technical brochures
Standards	Please refer to ENEY technical brochures
General	Please refer to ENYE technical brochures

