



BASIC CONTROLLER

Dinamic Control Technology



WARRANTY
3
YEARS

PLUG&
PLAY

FULL
GUARD
SYSTEM

QUICK
START-UP

INTELLIGENT
ENERGY
SAVING
IES

EMC
CIVIL
LIMIT

THD
FREE

EXTRA
dB
FREE



SELPRO



BASIC CONTROLLER

Dinamic Control Technology

MASTER & SLAVE DIGITAL CONTROLLER FOR THE REGULATION OF EC FANS.

EC Basic device is a multifunction digital unit, with 2 transducer inputs, specialized for the regulation of EC fans Motors. Designed using a "state of art" microcontroller, is ready to drive EC fans through Master 0-10Vdc net connections. It's optimized with software "IES", the innovative control algorithm for HVAC&R applications.

Applications

Used in **HVAC&R** plants to control and regulate:

- ventilation
- suction
- destratificators
- temperature (dry-cooler, heaters)
- pressure (ventilated heaters like condensers, evaporators)
- differential air flow (laminated flow plants, suction hoods)

Available regulations Mode

Master Unit - automatic regulator:

two different modes are selectable:

PID with "IES" technology to keep at Set Point the selected transducer value (i.e. temperature, pressure)

P (proportional) to keep inside Proportional Band the selected transducer value (i.e. temperature, pressure).

Driving command is selectable direct (DIR) or reverse (REV).

Slave Unit - repeater driver:

the driving command is directly related to the input command value, still selectable are direct (DIR) or reverse (REV) modes.

Keys Points

- Digital regulation
- PID or Proportional regulation
- Direct and Reverse regulation
- Direct connection for Pressure & Temperature probes
- ALL-round protection system
- LED to display functional and alarm conditions

Technical Characteristics

Power supply	24VAC or 230 VAC or 400 VAC +/-10% (std) - 480 VAC on request
Frequency	50/60 Hz automatic selection
Regulation command output	0-10Vdc programmable
Protection BOX	IP55 – IP00
Standards compliance	Standard EN 50178 (directive 2006/95 CE)
	Standard EN 61800-3 (directive 2004/108 CE)
	Standard EN 60204-1 (directive 2006/95 CE)
Working Inputs	n. 2 inputs (mA-Vdc-NTC) always programmable
Functional input contacts	n. 3 ON-OFF auxiliary contacts
Remotable contact	n. 1 Alarm relay (NO/NC) programmable
Setting Parameters	Set-Point
	Set-Point adj
	Min./Cut-Off
	Max



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