

GSE AUTOMATION CONTROL SYSTEMS



The **GSE Automation Control Systems** include logical automation controllers for **Cascada** systems and other energy implementations such as heating, air conditioning, hot water production, solar systems, swimming pools, Jacuzzi, SPA, etc. in hotel and domestic applications.



DEMOKRITOS



PROMETHEUS



THALES AK 300



THALES AK 400



THALES AK 500/JACUZZI



THALES AK 500/POOL

THALES AUTOMATION CONTROL SYSTEMS

MODEL	THALES AK300	THALES AK400	THALES AK500
ANALOG INPUT	5	6	1
ANALOG OUTPUT	3	2	0
DIGITAL INPUT	1	0	1
DIGITAL OUTPUT	3	4	6
DIMENSIONS*	106 X 90 X 57	275 X 255 X 111	275 X 255 X 111
ELECTRICAL VOLTAGE	230V AC	230V AC	230V AC
* for the plastic box			

THALES AK400 is separated into four different sub-models: THALES AK400/HE, THALES AK400/VER, THALES AK400/STATION and THALES AK400/COOLER.

THALES AK500 is separated into two different sub-models: THALES AK500/POOL and THALES AK500/JACUZZI.

FUNCTIONS
THALES AK300 & THALES AK400
Visualization of system functions in real time
Control of water pumps (on-off/Inverter-PWM), electro-valves and energy sources (heat pump, boiler, heating element)
Control and regulation of temperatures in tanks, recirculation, etc.
Time-scheduling
Space heating/cooling control

FUNCTIONS
THALES AK500/POOL
Control of 2 recirculation pumps with time-schedules
Overflow tank water level control with electrodes or float and electro-valve
Lighting control with time-schedules
Desired temperature regulation control
Heating electro-valve control
Real time display on touch screen
Display on computer via Ethernet
Simultaneous monitoring of multiple pools on computer via Ethernet
THALES AK500/JACUZZI
Control of a recirculation pump with time-schedules
Jet pump control with buttons and time-schedules
Water level control with electrodes and electro-valve
Lighting control with time-schedules
Desired temperature regulation control
Heating electro-valve control
Real time display on touch screen
Display on computer via Ethernet
Simultaneous monitoring of multiple jacuzzi on computer via Ethernet

OTHER AUTOMATION CONTROL SYSTEMS

MODEL	DEMOKRITOS	PROMETHEUS
ANALOG INPUT	32	16
ANALOG OUTPUT	6	6
DIGITAL INPUT	32	0
DIGITAL OUTPUT	64	9
DIMENSIONS*	-	390 X 316 X 167
ELECTRICAL VOLTAGE	230V AC	230V AC
* for the plastic box		

All the above products are available in a plastic box and have all the necessary safeguards for their operation.

The products have been tested and are in compliance with the European and Greek rules governing the design, manufacture and operation of such equipment, namely:

1) την the European Electromagnetic Compatibility Directive 2014/30/EU

and

2) the European Low Voltage Directive 2006/95/EC (LVD),

and carry CE certification.