



# AP.E - Engineering

Instrumentation for industrial process and water plant



## ELECTRONIC CONTROL FOR REGULATION VALVES APE7500

### OUR PRODUCTS

**MEASURE**  
Flow  
Level  
Pressure  
Temperature  
Density  
Displacement  
Rotation  
Energy  
Voltage  
Current  
and others...

**ANALYZERS**  
Measure and Control  
**PH**  
Redox  
Conductivity  
Chlorine  
Turbidity  
Opacity  
Oxygen  
and others...

**AUTOMATIC VALVES**  
**SLUICE GATE GATE VALVES**  
Control and on-off Type  
-  
**VALVE CONTROLLER**  
Static (Triac)  
with Auto/Man

**AUTOMATIONS**  
**PLC-PCS**  
Data-logger  
Controller  
Control panel

**SOFTWARE**  
ISI-S.C.A.D.A

**CUSTOMIZED ENGINEERING**

Instrumentation control



### TECHNICAL DATA

Version : industrial , with C-MOS technology  
Mounting : field – front panel  
Casing : in plastic material with transparent door (field) ; in aluminium, rack size (front panel)

#### On the terminal block

- No.1 4 ÷ 20 mA analog input for remote control of valve (telemetry)
- No.1 4 ÷ 20 mA analog input from the position transmitter of valve
- No.2 digital outputs to transmit the stroking of valve (opening / closing)
- No.2 digital outputs to transmit the state of the travel limit switches (open / closed valve)
- No.1 digital output to transmit the local / remote state (remote = telemetry)
- No.1 digital output to transmit the thermal overload breaker state
- No.2 solid state digital outputs to control motor (triac 6,3A continue -20A starting) (open / close valve)

#### On the front panel there are:

- No.1 the local / remote switch (remote = telemetry)
- No.2 LED for local / remote control
- No.2 manual control buttons (open / close valve)
- No.1 trimmer to adjust the torque limiter
- No.1 automatic overload cutout

Ambient temp. : -10 ÷ 50 °C  
Protection degree : IP65 (CEI EN 60529) shielded against water jets  
Humidity : 4 ÷ 95 % not condensing  
Power supply : 24Vac-24Vdc-230Vac single phase or 400Vac three phase  
Dimensions : W240 H210 D110 mm (field) ; W101 H128 D30 mm (front panel)

#### Quality Parameters :

MTBF : 100.000 h  
Burn-in : 120 h

Bull.	316
Last update	October 2012
Italy version	
English version	X



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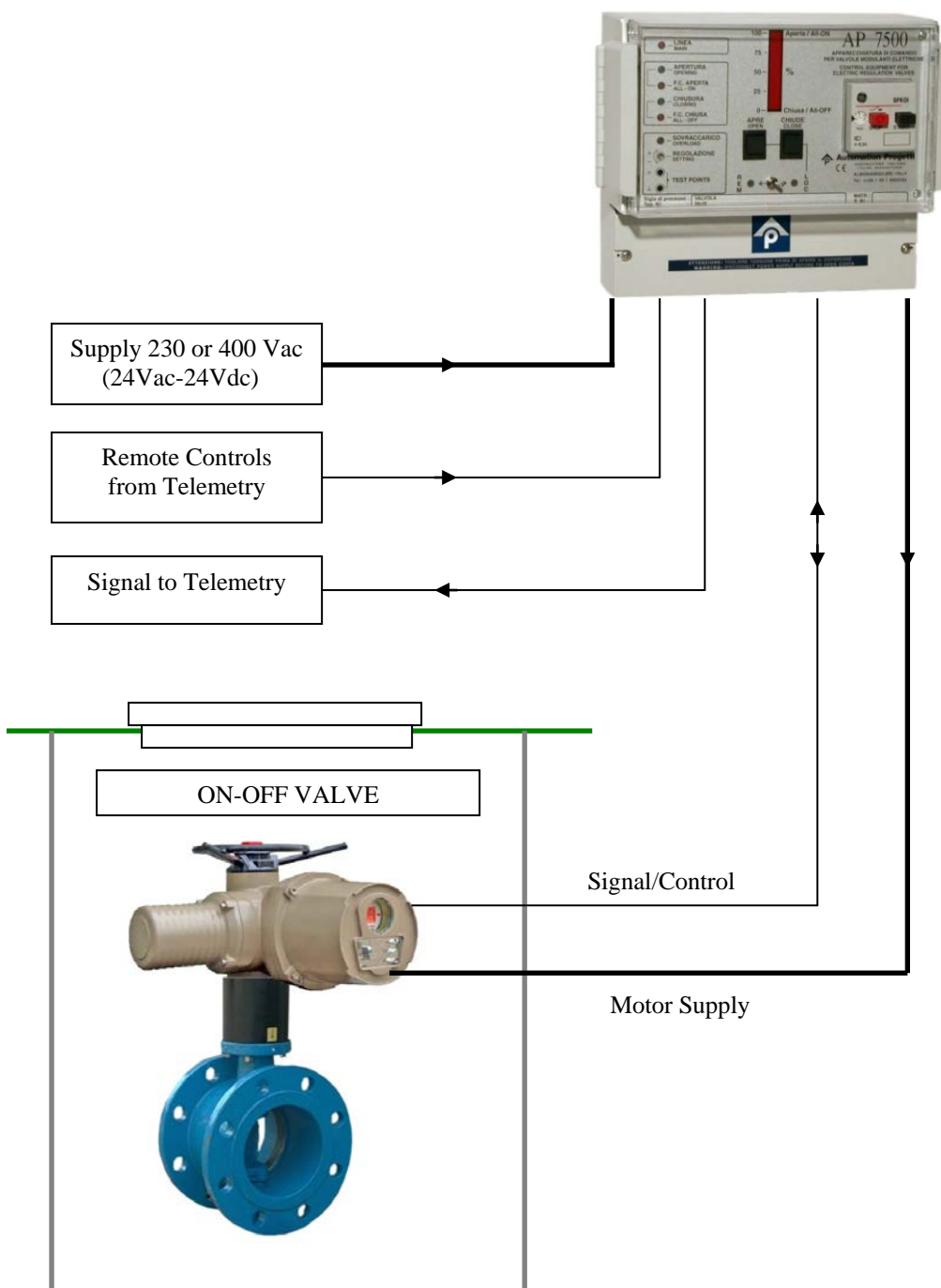
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**NOTE:** The use of solid state components (triac) to control motor, solves forever the frequent maintenance of the automatic breakers.

### TYPICAL APPLICATION



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