



AP.E - Engineering

Instrumentation for industrial process and water plant



ELECTRONIC CONTROL FOR ON-OFF VALVES APE7450

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

FIELD VERSION



FRONT PANEL VERSION



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.2 digital inputs for remote control of valve (telemetry)
No.2 digital inputs from travel limit switches (open / closed)
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.	318
Last updating	October 2012
Italian version	
English version	X



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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



Supply 230 or 400 Vac
(24Vac-24Vdc)

Remote Controls
from Telemetry

Signal to Telemetry

ON-OFF VALVE



Signal/Control

Motor Supply

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