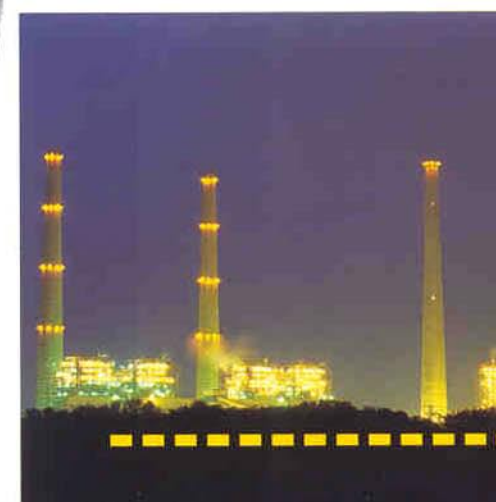
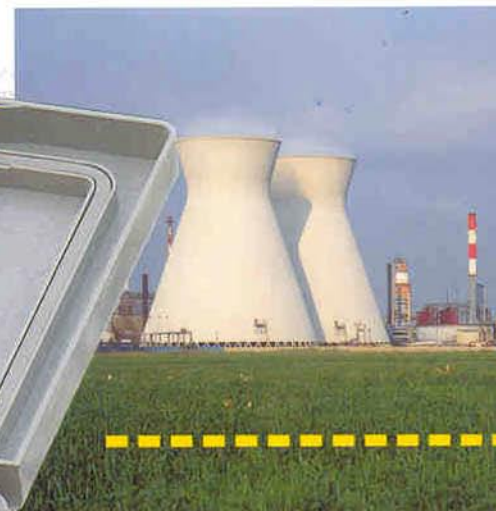
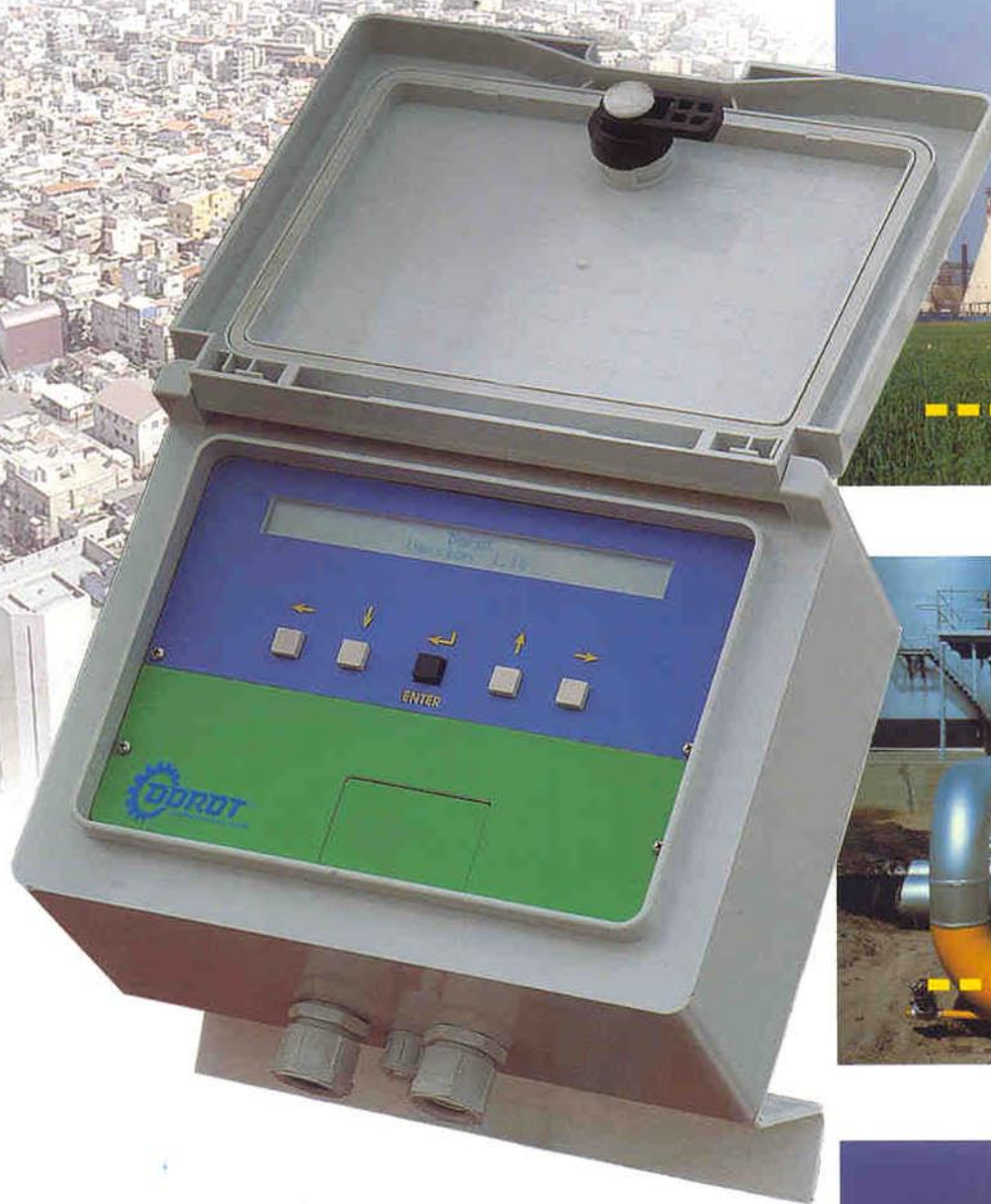


ConDor Electronic Controller

Control Module for Automatic Hydraulic Control Valves



ConDor Electronic Controller

Control Module for Automatic Hydraulic Control Valves



An innovative electronic module for controlling automatic hydraulic control valves.

The electronic controller **ConDor** has been developed to facilitate the operation of "Gal" and "Series 300" Automatic Control Valves manufactured by DOROT.



The **ConDor** module controls the valves by activating electromagnetic solenoids installed on the basic valve (EC configuration).



In conjunction with the **ConDor** module, DOROT's hydraulic valves (activated by the line pressure) offer accuracy and reliability characteristics that are typical of electronic control systems.



ConDor - Everything Is Under Control

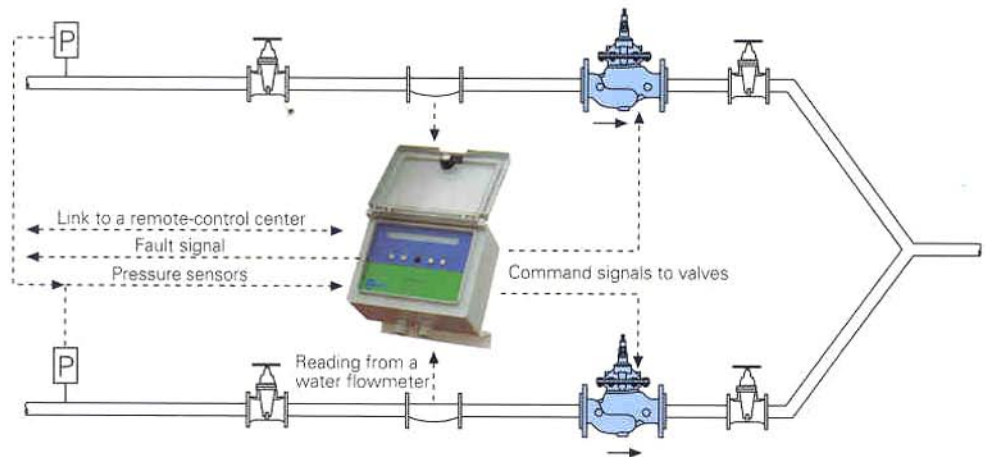
Advantages

- A simple to use, user-friendly system. No prior system programming knowledge is required.
- Highly accurate, highly reliable real-time control of Automatic Control Valves.
- Accurate reading for a variety of input data (both analog & digital).
- Guaranteed long-term continuous action with no need for hydraulic pilot control valves and/or electrical motors, with no degradation in accuracy caused by long run wear or leaks.
- An extensive range of control functions and combinations, above and beyond the capabilities of standard hydraulic pilot valves.
- Required values may be altered in the field (by an operator) and/or through remote control.
- Remote data reading through analog signals or a communication link using an optional RS-485 port.
- A variety of power source options (including solar panels), plus backup battery for uninterrupted operation during power failures.

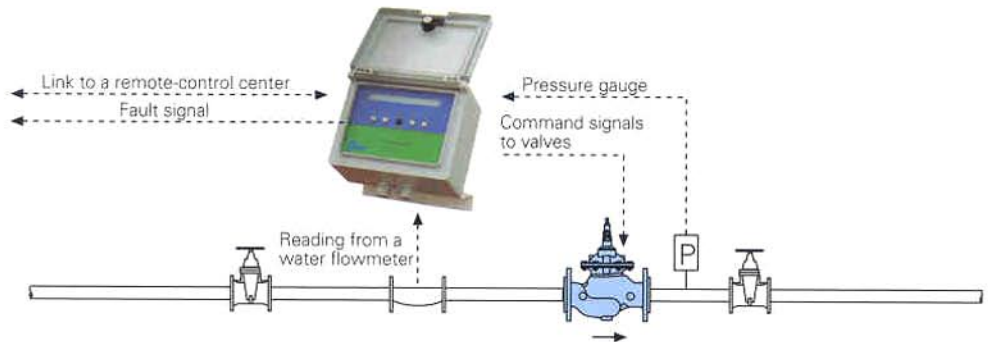
Control Applications - Examples



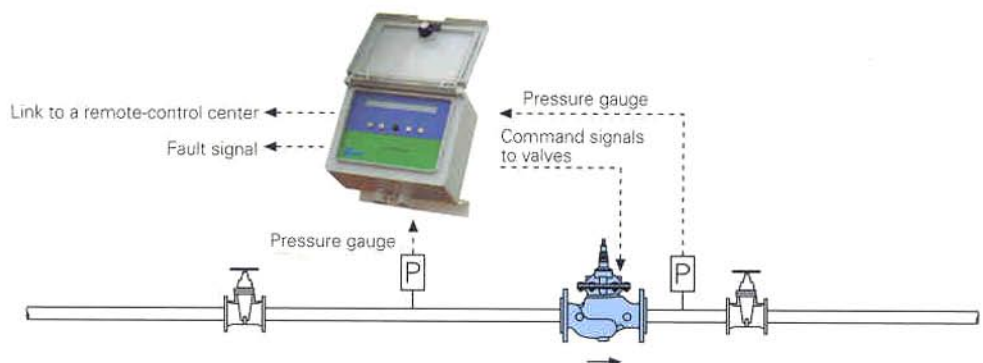
Mix Control - this option is applied to two different water supply sources (a mixing junction) and offers control over either or both sources with a variety of options regarding the controlled value (flow ratios, conductivity, temperature, etc.).



Leak Reduction - leaks may be minimized by reducing the line pressure to the minimum required, depending on variable consumption conditions (e.g. time of day).



Combinations of Different Applications - a single module may be used for any combination of established applications, provided they are not logically (and hydraulically) contradictory. Example: pressure reducing and sustaining.



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Technical Specifications

Dimensions cm inch

Width: 24.0 9.5
Height: 19.0 7.5
Depth: 13.5 5.3

Inputs/Outputs

Digital: 6 Dry Contacts

Analog: 0-20mA
4-20mA
0-5V
1-5V

Fault alarm contact
RS-485 communication port - optional

Environmental Conditions

Ambience temperature range:
-5°C through 55°C
23°F through 131°F

Power Supply

Power supply options:
220 VAC
24 VAC
12 VDC
Solar panel

ConDor controllers are supplied with a rechargeable backup battery offering several hours of operation when external power is unavailable. Batteries for longer backup periods may be supplied upon request.

"DOROT" AUTOMATIC CONTROL VALVES

Founded in 1946, DOROT is a leading developer, manufacturer, and marketer of a wide range of superior quality automatic control valves. DOROT's experienced Research & Development Dept. has a long tradition of generating innovative solutions for the application of water control systems. These include, waterworks distribution networks, sewage and effluent disposal, fire protection, mining, and irrigation systems.

DOROT'S commitment to excellence begins with using the highest quality materials. The company's engineering experts are constantly working to provide customers with a broad range of valve patterns and sizes in a wide variety of metals and grades including: Cast Iron, Ductile Iron, Cast Steel, SST, Bronze, Marine Bronze, Polyamide, and P.V.C.

Everything Is Under Control

The experts at DOROT custom-design each valve application according to specific control requirements. All of the production process, which includes, casting, machining, and coating, takes place in modern in-house facilities. Before leaving the factory, each valve is hydraulically tested. An advanced testing laboratory simulates the anticipated field conditions.

With distribution in more than 70 countries world-wide, a key component of the DOROT difference is its outstanding customer service. This includes field assistance, technical advice, training programs, and follow-up consultations. It is all of these factors that make DOROT a leader in fluid control technology and customer satisfaction.

