

smart it up

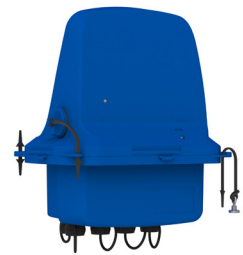
## Water Infrastructure Management Controller

A dedicated hydraulic controller, specifically designed and developed to control hydraulic valves. The CONDOR controller modifies the valve's setpoint by actuating two solenoid valves; replacing hydro-mechanical pilot valves.

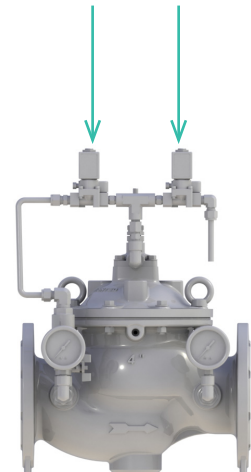
This allows for the implementation of a wide range of hydraulic and non-hydraulic functions and combinations thereof.

Since the release of our controller nearly 30 years ago, we have built upon each subsequent model, adding many new and advanced features, more flexibility, and enhanced communication options, all while maintaining the renowned simplicity and reliability of the original design.

Model IP68



Model IP65



### Models

#### Model IP68

Code	Description			
5CON-CND001024	CONDOR	IP68	4G	Internal Antenna
5CON-CND001015	CONDOR	IP68	3G	Internal Antenna
5CON-CND001016	CONDOR	IP68	3G	External Antenna

#### Model IP65

Code	Description			
5CON-CND001023 *	CONDOR	IP65	4G	Internal Antenna
5CON-CND001017	CONDOR	IP65	3G	Internal Antenna
5CON-CND001018	CONDOR	IP65	3G	External Antenna

\* FCC approved

## ➤ Main Features

- Retrofit and convert any pilot-operated valve into a smart valve.
- Multi-function controller allows configuring of any hydraulic control function such as: Pressure-management Applications, Flow Control, Level Control, Mixing Junctions.
- Create hydraulic functions based on non-hydraulic input such as: Time, Temperature, Salinity (EC), Chlorine Level, Turbidity.
- Allows defining up to 5 simultaneous control functions such as: Pressure Reducing + Sustaining, Pressure Reducing + Automatic Excessive Flow Shut-off, Flow Regulating + Level Control.
- Fully dynamic set-value: Modifiable by SCADA, RTU, Bluetooth; follow local hydraulic changes (flow, pressure, etc.), time of day, etc.
- Simple & reliable trim: 2 solenoid control trim are used for all hydraulic control functions and combinations.
- Highly reliable, stable and accurate control.
- Advanced, multi-channel, fully configurable data logger independent fixed or variable sampling rate per-channel, user-defined channels, FIFO memory function.
- Configuration, control and monitoring are enabled above ground (when installed in a valve chamber), using an app on any mobile device with Bluetooth communication.
- Secure and safe, multi-tier user management system.

## ➤ Technical Specifications

<b>Power Supply</b>	12-24VDC Includes integral 12V battery charger	May use solar panel or hydraulic generator as power source, protected against reverse polarity and short circuits
<b>Power Consumption</b>	0.7 Watt standby 7 Watt momentary	
<b>Inputs</b>	4x 4-20mA 6x digital 2x TTL frequency inputs optocoupled	
<b>Outputs</b>	2x 12VDC continuous solenoid valves 2x latching (pulse) solenoid valves 1x configurable alarm latching relay 1x configurable general-purpose latching relay	
<b>Communication</b>	Modbus RTU partner via RS485 Short-range BLE with magnet-operated security (wake-up) switch	5-channel data logger Frequency: min 1 sec. - max user defined Triggered by digital inputs or analog inputs Variable rate, user defined
<b>Enclosure</b>	Multi-colored LED May be supplied with a portable UI monitor & control device (HMI) OPC DA/UA	Heavy-duty ASA, UV protected Environment temp.: -20° C to 60° C