



CLA-VAL D35 is an ultra-low-power autonomous electronic valve controller switching one or two latching solenoids based on customizable conditions to control valves in locations where no electrical energy is available or independent supply from grid power is required.

D35 allows quick and easy commissioning, thanks to its compact and ergonomic design, and user-intuitive configuration. D35 can be configured from any smartphone, tablet, or computer via WiFi (auto-generated). No need for cables or special software. Its intuitive user interface allows easy configuration and real-time information.

To ease deployment, product configurations can be saved and loaded in multiple devices.

CLA-VAL D35 controller is pre-loaded with condition scenarios, which can be customized for a wide variety of applications, such as 2-stage pressure modulation or flushing valves.

Its large internal memory allows data logging over the product lifetime. The D35 can optionally implement data communication through the new generation 4G network, optimized for data communication (IoT).

The product can be connected to a custom remote server of your choice, or alternatively interfaced to the **CLA-VAL Link2Valves™** platform for easy, security-proven, and complete integration with full remote configuration.

- 2 latching solenoid control based on customizable conditions
- Time, flow, level and/or pressure control modes
- Data communication through 4G LTE-M & NB-LoT to any custom server
- Full remote configuration from CLA-VAL *Link2Valves™*
- On site wireless configuration from any Smartphone, tablet, or PC
- 6 input channels
- Standard 5-year autonomy*
- IP68 Protection

► TECHNICAL DATA

Power Supply:	<ul style="list-style-type: none"> • Internal lithium battery (replaceable) • Option: high-capacity lithium external battery • Option: external power supply (6-24 VDC) compatible with CLA-VAL e-Power MP turbine
Inputs:	<ul style="list-style-type: none"> • 4x analog (Ratiometric / 0-5 V / 0-10 V) • 2x digital (dry contact or pulse)
Outputs	<ul style="list-style-type: none"> • 2x latching solenoids (6 VDC) • 1x digital (dry contact or pulse)
Logger & data storage:	<ul style="list-style-type: none"> • Configurable logging interval • Memory: 8 GB Micro-SD • Interface to <i>Link2Valves™</i> for remote data access and configuration (optional) or to a custom server (optional) communication
User Interface:	<ul style="list-style-type: none"> • WiFi 802.11n/ac (auto-generated) for local configuration with smartphone, tablet or PC • CLA-VAL Link2Valves™ for remote configuration (if connected)
Data Communication (option):	<ul style="list-style-type: none"> • 4G (LTE-M1, NB-LoT) and 2G (GPRS) • Micro SIM card (accessible)** • Extendable antenna with flexible cable
Embedded Intelligence:	<ul style="list-style-type: none"> • Option: <i>ValveFlow™</i> valve flowrate computation (requires CLA-VAL sensors) • Other options: contact CLA-VAL
Housing & General:	<ul style="list-style-type: none"> • Dimensions: Ø 132 mm x L 130 mm (no antenna, no bracket) • Easy opening system without screws or tools • Material: PC / ABS plastic UV resistant • Protection: IP68 (2 m, 1 month) • Operating Temperature: -10°C to 70°C • Storage Temperature: -20°C to 80°C

*Battery life valid for one communication a day with an optimal network connection (>-80dBm)

**SIM card and data communication package sold separately or provided by the user