

ESLV-SmartValve

Wireless - Remote Controlled Valve



ES Systems' ESLV-SmartValve is a series of wireless, remote-controlled valves designed for water supply management. Equipped with LoRaWAN® technology, the valve offers remote Open/Close/Flow Control with extensive range, high signal permeability, and low power consumption.

The SmartValve operates on LoRaWAN® Class A with AES-128 encryption for secure, bi-directional communication with the server, reporting events and issues. A slow opening/closing function prevents hydraulic shock. Status is displayed via an LCD screen showing battery level, function, and operational state, or an LED indicator. Battery life can reach up to 10 years, depending on usage.

The **ESLV-SmartValve** optimizes water management through remote leak detection, efficient flow control, automated irrigation, emergency shutoff, and real-time monitoring-boosting sustainability and efficiency across applications.



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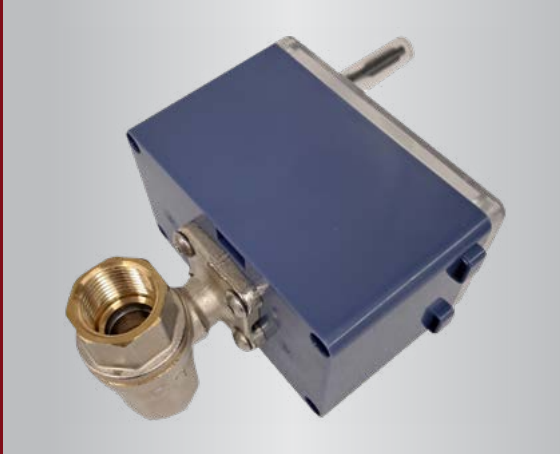
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Specifications

Key Features	
Network Compatibility	Ready for LoRaWAN® EU Networks, Class A
Remote Updates	Firmware Upgrade Over the Air (FUOTA)
Power Efficiency	Ultra-low power consumption mode
Battery	Replaceable, up to 10 years lifetime
Installation Options	Horizontal, vertical, or inclined positioning
Available Sizes	DN15, DN20, DN25, DN32, DN40, DN50
Signal Strength	Excellent permeability through obstacles
Display Options	With Display: Integrated LCD screen, Without Display: LED indicator for status feedback
FUOTA Function (Firmware Upgrade Over the Air)	
Function	Enables remote software upgrades
Benefits	Ensures optimal device performance and secure communication with server systems.
Operation	Upgrades occur during low-usage hours, ensuring uninterrupted valve functionality.
Upon Request Features	
Frequency Options	Compatible with various frequencies
WM-Bus Compatibility	Available in both wired and wireless (OMS) versions



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