

SMART SOLENOID VALVE



Features

- ✓ Data transmission on demand and in real time.
- ✓ Remote control
- ✓ Detection and management of events related to the valve status such as: Opened/Closed Valve, Battery Power.
- ✓ Detection of attempts to mechanical and electromagnetic fraud with automatic closing of the valve and fraud alarm transmission.
- ✓ Remote wireless network configuration.
- ✓ Low power consumption and long battery life (up to 10 years).
- ✓ Radio communication distance up to 2 km in open area.
- ✓ Easy configuration and installation
- ✓ Monthly self-control cycle test.
- ✓ Possibility to connect ELV-302 to a meter for consumption data detection.
- ✓ Optional local opening/closing button

Remote Control

ELV - 301

Wireless Solenoid Valve

ELV - 302

Wireless Solenoid Valve with
Meter Connection Cable

Services

The use of the ELV – 301/302 makes possible the fruition of the following services:

1. Flow control service with remote opening and closing
2. Alarm and event detection service
3. Valve maintenance service with programmed opening and closing cycles

System

The wireless system for the remote water control consists of:

1. Smart Valve ELV-301/302
2. GSM/GPRS data concentrator
3. PDA enabled to receive and process data

These three elements can be combined to provide solutions that can be implemented and adapted to any demand. The number of the meters managed is potentially infinite, there is no maximum limit for the concentration of the items by area.

Here are some examples of the combinations most requested:

1. A network that consists of Smart Valve + Concentrator. With this solution the network is managed directly by mobile phone.
2. A network that consists of Smart Valve + PDA
It requires the presence of an agent using a PDA that collects remotely the meter data in a local area. The data can be stored, processed and eventually notified via GSM/GPRS.
1. A network that consists of Smart Valve + Concentrator + PDA
It allows the data collection in the concentrators and the notification to the PDA, wherever it may be located, via GSM/GPRS. The PDA functions as a central server and can be connected with any third party devices used by the operator.

Components

