The Guardian Valve Controller installs over existing 1/2 to 1 quarter turn ball valves without a need for tools or pipe cutting. The Valve Controller communicates directly with the Guardian Leak Detectors and can close the water main automatically in an event of a leak. The free iOS and Android App provide leak notification, systems status and remote control of the valve to give you peace of mind even when you are away from the house.

**KEY FEATURES**

- **FULL INSTALLATION IN LESS THAN 10 MINUTES**
- **WI-FI CONNECTED**
- **ONLY REQUIRES SMARTPHONE FOR SETUP**
- **DIY - NO TOOLS REQUIRED**
- **EXPANDABLE – ADD 100+ LEAK DETECTORS**
- **OPTIONAL BATTERY BACKUP**
- **FREE APP FOR REMOTE NOTIFICATIONS AND CONTROL**

**NETWORK TOPOLOGY**

SMARTPHONE  ↔  WI-FI  ↔  VALVE CONTROLLER  ↔  LEAK DETECTORS

All dimensions are approximate. Design, features, and specifications subject to change without notice. © Copyright 2018 Elexa Consumer Products, Inc. All Rights Reserved.
## TECHNICAL SPECIFICATIONS

### Physical Attributes
- **Dimensions**: 8.34" x 6" x 3.5" (W x H x D)
- **Ingress Protection**: Splashproof. For indoor use only!
- **Required Tools**: None

### Supported Valves
- **Supported Valve Types**: Most 1/4 - Turn metal Ball Valves (except T-Handle)
- **Supported Sizes**: 1/2" - 1 1/4"
- **Torque**: 14 - 18 Nm

### Power Specs
- **Power Supply**: 12V DC 2A Power Supply (Included, 10ft length)
- **Optional Backup Battery**: 12 hrs + 1 valve close motion

### Connectivity
- **Inputs**: Power, Minijack (Remote Sensor Probe + RS-485c)
- **Wireless Connectivity**: Bluetooth LE, Wi-Fi, Guardian RF (1000ft Range)
- **Wi-Fi Required**: Yes, only for setup, remote control and notifications
- **Apps**: iOS, Android
- **Subscription Fees**: None
- **Available Data**: Valve Status, Temperature, leak detection around valve (with optional probe)

### Physical Interfacing Options
- **Audible Alerts**: Yes, via Buzzer
- **Visual Alerts**: Yes, via LED
- **Button Functionality**: Open, Close, Stop and factory reset
- **LED Status Indicator**: Power, Wi-Fi, Guardian RF, and Valve Status

### Additional Features
- Automatic water shut-off during leaks
- Motor stall detection & notification

### 3rd Party Integration
- **Serial**: RS-485c
- **UD/IP, TCP/IP**: Sends commands / receive notifications

### Requirements
- Compatible valve (see above) that is operable by hand
- Appropriate clearance around the valve for Valve Controller (see below)
- Power outlet within 10’ of valve or extension cord
- iOS or Android Smartphone with internet access
- Wi-Fi with internet access (for setup remote notifications and control only)

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8.3" (210.8 mm)

3.5-4.0”
88.9-101.6 mm
Self-Adjusting

6.0” (152.4 mm)

4.5” (114.3 mm)

4.5” (114.3 mm)