

DROP

Relay Box



Seamless Integration for Smart Water Automation

The DROP Relay Box allows the DROP Smart Water Management System to interact with external equipment and automation systems. It provides a programmable input and relay output so DROP can both receive signals and control other devices.



Features

- DROP App to remotely control systems from anywhere
- Local leak detection
- Provides text messages, emails, and/or push notifications of vital system information
- 1-year warranty

Benefits

- Adds external automation capability to DROP systems
- Allows external devices to trigger DROP system actions
- Enables DROP to control other equipment using a relay output
- Wireless installation anywhere within range of the DROP Hub

Examples of how the Relay Box is used

- Connect a security system to the input to tell the DROP system when the security system is armed to be more sensitive to water leaks / water usage.
- Connect a security system to the output so the DROP system can signal the security system when a leak has been detected.
- Connect a reverse osmosis system so DROP recognizes expected water usage.
- Control a feed pump so it runs during filter backwash cycles.

The DROP Hub

All DROP products require the function of the DROP Hub. The Hub is the connection to everything on the DROP Smart Water Management System. It integrates all of the DROP water devices together.



Relay Box (D-RB01) Specifications

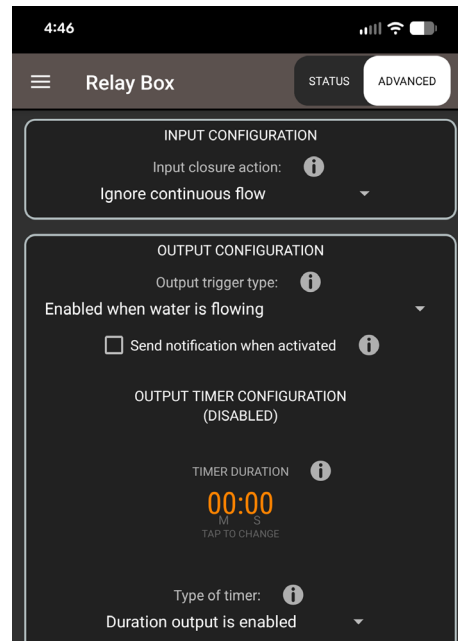
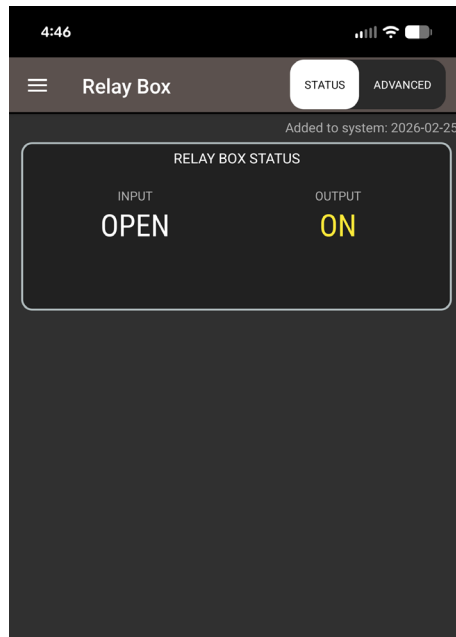
Power:	12VDC, 2.5mm x 5.5mm barrel jack, 0.1A
Input:	Dry Contact, Voltage input (+V on terminal 1, -V on terminal 2) 1-24 VDC*
Output:	Form C Relay**, Dry contact output: 30 VDC max, 10 A max (resistive). Load must be externally fused or current-limited to 10 A maximum. Output 1 and Output 2
Terminals:	Pluggable screw terminal blocks. Wire Gage range, 28-12 AWG. Recommended Strip Length, 0.25". Torque screw terminals to 4.5 in-lbs.
Size:	2.85" W x 5.13" H x 1.15" D, Includes mounting flanges with a hole for up to a #10 screw in the top and bottom flange.

* If using a voltage input, it must come from an external power source and must not share a ground reference with the Relay Box power supply.

** Form C relays have 3 connections: NO – Normally Open contact, NC – Normally Closed contact, C – Common contact.

Relay Box Status

The DROP Connect app displays the complete status of the Relay Box including input and output status.



The DROP Remote

This unique device is an excellent accessory with any other DROP product. This smart remote lets you turn on/ off your water with a convenient button, notifies you of new system status events, and extends your wireless DROP Link network.



The DROP Leak Detector

Never worry about coming home to frozen pipes, absurdly high water bills or a soaked kitchen. These inconspicuous water-saving devices integrate with our smart water monitoring system to safeguard your home.

DROP

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