
Alarm.com Flex IO® sensor (ADC-FLEX-100) - Data Sheet

Overview

The Alarm.com Flex IO® sensor enables new levels of flexibility for monitoring valuable property and assets anywhere that LTE connectivity is available. Whether used with a backyard gate or a remote storage unit, the Alarm.com Flex IO® sensor empowers users to keep an eye on what matters most. It can be used with the included magnet to monitor doors, gates, and other entryways. It also comes equipped with input and output options for integrating compatible devices that lack long-range connectivity.



Features

- Detect open/close using magnetic reed switch

- Detect state change for third-party device using Loop Input
- Change state of third-party and device using Relay Output (requires DC power to support always-on cellular connection)

For information about use cases that have been fully tested for compatibility, see [Alarm.com Alarm.com Flex IO® sensor sensor - Supported Use Cases](#).

Alarm.com plans to support additional third-party devices over time, so watch for updates in our weekly [Release Notes on the Partner Portal](#).

Have an input/output device you'd like us to support? Submit any ideas to your [Alarm.com Sales Representative!](#)

In the box

- Optional EOL (end of line) resistor to detect cut wires. EOL resistor can be 300 kΩ or higher. Normally Open configuration is preferred for low power usage.
- Optional mount tamper and battery door tamper alerts
- Multiple mounting options, including screws or zip ties.
- Multiple carrier options:
 - Verizon (US only)
 - AT&T (US and Canada)

Specifications

Ingress Protection	IP56
Temperature	Battery life will be optimal between temperatures of 32°F to 131°F (0°C to 55°C), though the device can operate from -40°F to 131°F (-40°C to 55°C).
Reed Switches	3 unique reed switch locations to choose from that can be activated with included magnet.
Loop Input	• The Alarm.com Flex IO® sensor can be powered by battery or external power. • Dry Contact, Normally Open (NO), or Normally Closed (NC). • Optional EOL resistor can be 300 kΩ or higher.

Relay Output	• If used, the Alarm.com Flex IO[®] sensor must be externally powered (not compatible with battery power). • Up to 24 V (AC or DC), 40 mA max current. • Can be used only for control lines/dry contact. Caution: Can never be connected directly to control electrical loads. This will damage the device.
Dimensions	• Main unit: 6.8 x 2.2 x 1.3" (17.3 x 5.6 x 3.3 cm). • Magnet: 3.1 x 0.68 x 0.87" (7.9 x 1.7 x 2.2 cm).
Power	• Works with DC-wired power or battery power (battery backup recommended for wired installations). • Supply Voltage: 6 to 15 VDC Device Max Current Draw: 500 mA Max Power Consumption: Up to 7.5 W (at 15 VDC)
Battery Power	• Four 1.5 V AA lithium batteries (iron disulfide). • 2+ years of battery life, depending on battery chemistry and operating temperature.
Maximum Installation Height	2000 meters above ground level