Door and Window Sensor

Equilibrium Point IOT, Inc.

1.0   FEATURES

- Integrated on the EQP IOT platform, powered by AWS

- Monitors the open/close state of doors, windows, cabinets, and drawers

- Sends status and alerts to EQP IOT platform

2.0   GENERAL DESCRIPTION

The EQP Door and Window Sensor is a simple, multi purpose sensor that monitors critical open/ close events. It can be powered by a USB cable or a wide range DC supply. A discrete magnetic reed switch is paired in the closed position, and disconnects in the open position. Alerts are provided when the switch opens. This can drive powerful business metrics such as door traffic, and protect privacy concerns such as entrance into private rooms and drawers.

3.0   DEVICE CHARACTERISTICS

Absolute Maximum Ratings [†]

Vcc (USB Supply) 6.5V

Storage Temperature...-40°C to 80°C

Operating Temperature ....-10°C to 60°C

ESD Protection...>2kV

Drop Height 2m

Relative Humidity ....Dew Point

† NOTICE: Stresses above those listed under "Absolute Maximum Ratings" may cause permanent damage to the device. This is a stress rating only and functional operation of the device at those or any other conditions above those indicated in the operational listings of this specification is not implied. Exposure to maximum rating conditions for extended periods may affect device reliability

Table 1-1:   Operating Characteristics

Sym	Characteristic	Min.	Typ.	Max.	Units	Conditions
Vcc	Input Voltage	4.5	5	6.5	V	USB Supply
		6.5	-	36	V	DC Wire Supply
Is	Standby Current	-	80	-	mA	-
It	Transmit Current	-	-	160	mA	-
Pd	Power Dissipation	-	-	1	W	-