iQ HIT AND HOLD

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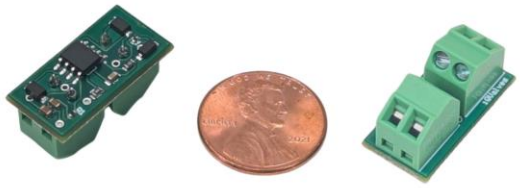
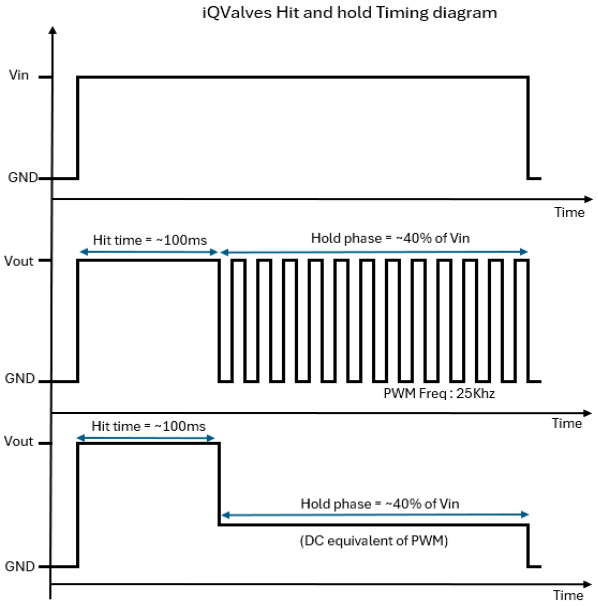
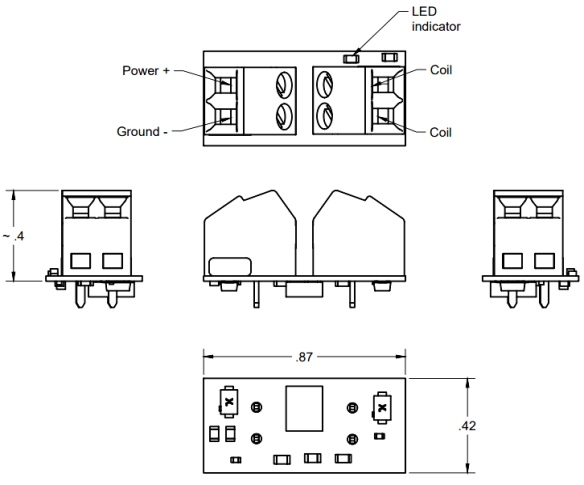




The iQ Hit-and-Hold Driver is a high-efficiency solution for solenoid-driven systems, designed to reduce power consumption and heat generation. Built to support a wide input range of 10–32V, this compact and robust module delivers up to 1.5A of current, making it ideal for driving valves, actuators, and other inductive loads in medical, industrial, and precision control environments. With a hit time of ~100ms, followed by a PWM-based hold phase at 40% of the supply voltage, the driver minimizes power consumption by ~80% while ensuring reliable operation. The unit operates at a 25 KHz PWM frequency to reduce audible noise and electromagnetic interference and features a durable screw-in terminal connector for secure installation. Rated for –40°C to +85°C, ensuring reliable performance across a wide range of industrial environments.

Features:

- Efficient Hit-and-Hold design reduces power and heat.
- Delivers up to 1.5A peak current, with ~100ms hit time.
- Integrated 25kHz PWM minimizes noise and EMI.
- Wide 10–32V input range, suitable for varied systems.
- Compact and durable for industrial use.
- Easy installation via screw-in terminal connectors.
- Reliable operation from –40°C to +85°C.



Electrical Performance:	
Supply voltage	10-32V
Current output	0-1.5A
Hit Time	~100ms
Output	~40% of Supply Voltage
PWM Frequency	25KHz
Operating Temperature	-40°F - 185°F
Connector	screw-in Terminal
Wire Gauge	16~28 AWG
Dimension	0.87(L)*0.42(W)*0.4(H)
Orientation	In-Line