

SNAP DIM-10

For Wireless Lighting Control



SNAP® DIM-10 (LP001-001 for 100-240V and LP002-001 for 100-277V) Provides for the remote, wireless control of lighting in commercial, industrial or residential buildings. SNAP DIM-10 is part of Synapse's SNAP Lighting Cloud Service, an Internet-enabled, wireless remote control and monitoring service for secure indoor or outdoor lighting applications.

SNAP DIM-10 is designed to control fluorescent, LED and HID electronic fixtures. It provides dimming and true on/off functionality while supporting a wide range of input voltages from all over the world — no power adapter is needed. Compact, rugged and easy to install, the SNAP DIM-10 supports either 12V Pulse Width Modulation (PWM) or 0-10V input while providing strong, reliable wireless signal strength based on the industry standard IEEE 802.15.4 radio frequency.

SNAP DIM-10s are ideal for retrofitting entire buildings as well as for new construction. No commissioning is needed during installation, which is fast, easy and with plenty of wire length to flexibly reach the ballast.

SNAP DIM-10 Features

- Control a wide range of new or existing LED or fluorescent lighting fixtures
- Compact, rugged and easy to install
- Strong, reliable signal strength
- Dimming and true on/off functionality
- Wide range of input voltages from all over the world
- Multiple lighting drivers can be controlled in parallel
- Sourcing and sinking up to 100mA
- Support for PWM drivers

For more information call or visit:

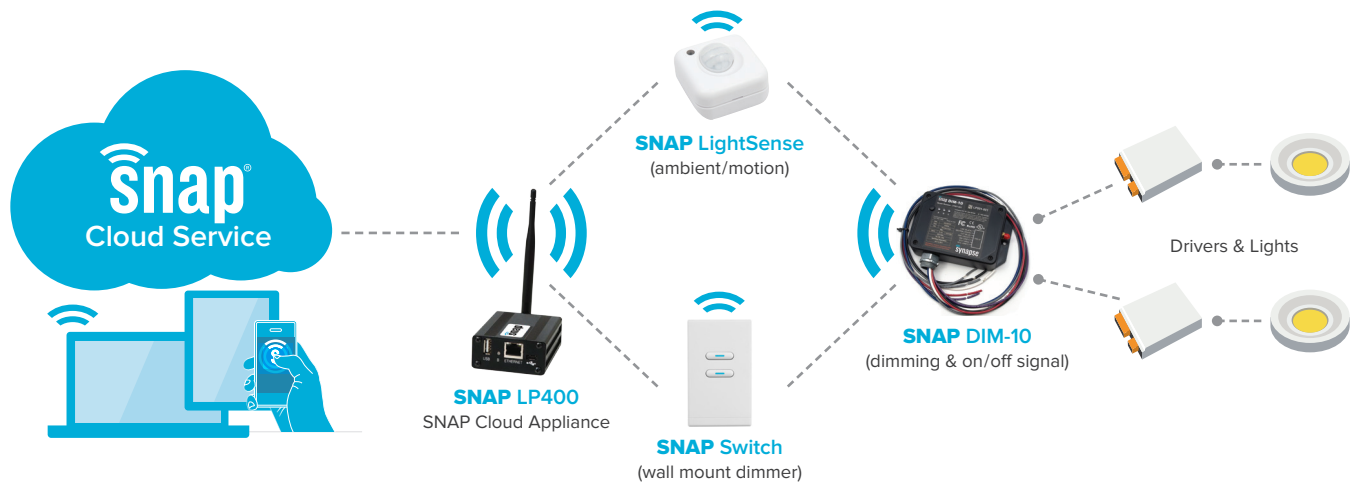
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Proven Solutions for the
Internet of Everything

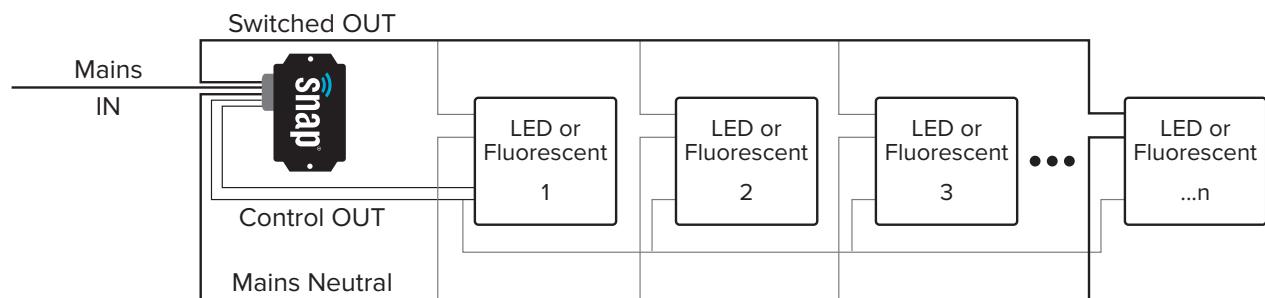


SNAP DIM-10

SNAP Cloud Lighting Service



Bank Control



SNAP DIM-10 Specifications:

Part # LP001-001	Power Supply: Main Input 100-240VAC, 50-60Hz
Part # LP002-001	Power Supply: Main Input 100-277VAC, 50-60Hz
Relay Max. Switched Circuit	Zero Cross, 5A
Radio (RF) Technology	IEEE 802.15.4 Direct Sequence Spread Spectrum (DSSS) 2.4 GHz License-Free Band SNAP auto-forming, auto-healing Mesh Network
Radio (RF) Performance	Outdoors: up to 3 Mile Line of Sight (LoS)* Indoors/Urban: up to 1000 feet LoS* *LoS not required; but distance may be shorter RF Transmit Power: 80 mW (15 dBm) Receiver Sensitivity (1% PER): -105 dBm

Antenna	External Reverse Polarity SMA (RP-SMA) Gain: 3.2 dBi Length: 5.875 in (14.9 cm) Impedance: 50 Ohms unbalanced
Environmental Performance	Operating Temperature: -40° to +60° C Operating Humidity: 10 to 90% non-condensing
Physical Properties	Case: ABS Plastic 94V-0, 5VA Size: 4.5L x 3.25W x 1.375H in. 114.3 x 82.55 x 34.925 mm
Certifications	FCC Part 15, Class B, CE, IC, RoHS Compliant UL Approved (No. E346690)

SNAP DIM-10 is based on the award-winning Synapse SNAP network operating system. Since SNAP is a true, peer-to-peer mesh network, there is no single point of failure in the lighting system. All SNAP lighting products create a completely wireless system — no control wires need to be installed. This makes your SNAP Lighting Cloud Service a completely scalable system, ideal for new construction as well as renovation or additions. SNAP also uses network encryption to protect your lighting network.