

Concealed Touch Sensing Head, 5VDC Input, 0–100% Dimming, 8A Output

OVERVIEW

The C-T-SEN-W is a concealed capacitive touch sensing head designed for single-color LED dimming applications in lighting cabinets, closets, wine cabinets, and similar millwork installations. A short touch toggles the light on or off; a long touch (1–6 seconds) ramps brightness up or down across a 0–100% dimming range.

The sensor operates on 5VDC input and outputs a 5V PWM signal at a user-selectable frequency of 125 Hz, 500 Hz, 2000 Hz (default), or 8000 Hz — set within three seconds of power-up via the onboard key. Output current is rated at 8A. The connector pitch is 3.81mm (2P), and the unit ships with a 1-meter lead. Installation requires a 17mm diameter hole with an 18.5mm drilling depth; a bilateral snap design secures the head in place without additional hardware.

SPECIFICATIONS

Input voltage	12-24VDC VDC	IP rating	IP20
Max current	8 A		

WIRING DIAGRAM

