



Type(s)
Project
Date
Notes

GENERAL INFORMATION

The Wireless Wave Switch (ETRS) communicates wirelessly with Echoflex lighting controllers to control the internal relay and output dimming level. The kinetic energy generated by pressing the ON or OFF paddle is enough to send a switch message. No batteries required.

Each pair of paddles can be linked to different controllers to manage multiple circuits from a single wall station. The switch can serve as a straightforward control device, or be part of a complex multi-input strategy, supporting configurations from 3-way to 20-way switching. It features a contemporary, stylish design that complements any interior decor. Available in white, choice of radio frequencies, and single-paddle or dual-paddle.

The ETRS installs easily to any smooth surface using the double-sided tape provided or the screw holes located under the cover.

APPLICATIONS

- Education: Classrooms, administration
- Hospitality: Banquet halls, lobbies
- Healthcare: reception, administration
- Commercial office: Conference rooms, private offices, open office space, corridors, stairwells

ORDERING INFORMATION

Wireless Wave Switch

MODEL	DESCRIPTION
ETRS1U-W	Single-paddle Wave switch, 902 MHz, white
ETRS2U-W	Dual-paddle Wave switch, 902 MHz, white
ETRS1Y-W	Single-paddle Wave switch, 868 MHz, white
ETRS2Y-W	Dual-paddle Wave switch, 868 MHz, white

FEATURES

- Powered by kinetic energy – no batteries
- Wireless elegant design
- Available in single-paddle or dual-paddle models
- Reliable radio reception range of 24 m (80 ft) – commercial office spaces (typical), up to 100 m (330 ft) line-of-sight
- Installation options: mounted with double-side tape or screwed to smooth surface

SPECIFICATIONS

HARDWARE

- Operating mode: On/Off, Dimming
- Power generation: Electrodynamical energy harvester
- Life cycle: 50,000 actuations
- Mounting: Double-sided tape, provided

EQUIPMENT PROFILE

- EEP F6-02-02
 - Light Control - ON, OFF, dimming

COMMUNICATIONS

- 902 MHz (U) or 868 MHz (Y) radio frequency
- Wireless range of up to 24 m (80 ft) - commercial office spaces (typical), up to 100 m (330 ft) line-of-sight
- Integrated antenna

ENVIRONMENTAL

- Operating temperature: -25°C to 65°C (-13°F to 149°F) ambient
- Relative humidity: 5%–92% non-condensing

REGULATORY AND COMPLIANCE

- Complies with UL 916
- FCC Part 15.231 - Remote Control Transmitter
- ISED (Industry Canada) RSS-210

PHYSICAL INFORMATION

Wireless Wave Switch Weight and Dimensions†

MODEL	HEIGHT		WIDTH		DEPTH		WEIGHT	
	mm	in	mm	in	mm	in	g	oz
ETRS1	113	4.5	64	2.6	18	0.7	71	2.5
ETRS2	113	4.5	64	2.6	18	0.9	71	2.5

