



INSTALLATION GUIDE · LUTRON INTEGRATION

SMART FILM + LUTRON CONTROL

Wiring, Pico pairing and
everyday use

System Overview

01

A Lutron PowPak relay module switches mains power (120 VAC) ON / OFF to the Smart Film Power Unit.

02

The Smart Film Power Unit converts mains to 48 / 60 VAC. All film panels on the wall connect to it in parallel.

03

Use one PowPak + one power unit per wall or zone, so each zone switches on its own.

04

Control with a Lutron Pico remote, the Lutron app or your smart-home system.

Using the Pico Remote



LUTRON PICO 2-BUTTON
REMOTE

TOP
ON

Powers the film ON. The glass turns clear and stays clear.

ARROWS
NO EFFECT

Smart film is ON / OFF only – raise / lower have no effect. Never connect smart film to a dimmer.

BOTTOM
OFF

Powers the film OFF. The glass turns opaque for full privacy.

INSTALLATION

WIRING AND PAIRING

Installation must be carried out by a licensed electrician, following local electrical codes and the instructions supplied with the Lutron PowPak module.

01

Power Off

Switch off the circuit breaker before touching any wiring.

02

Wire the PowPak

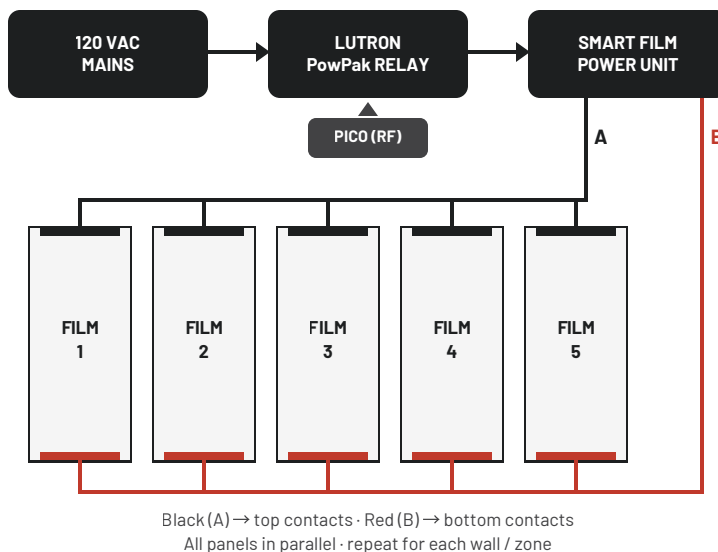
Mains (120 VAC) into the PowPak. PowPak switched output into the Smart Film Power Unit.

03

Connect the Film

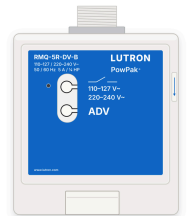
Power unit output to every panel on the wall in parallel: one bus to the top contacts, one to the bottom.

WIRING DIAGRAM



Important

Use a Lutron RELAY (switching) module only. Never use a dimmer or phase-control module — it will damage the film and the power unit.



Good to Know

Do not exceed the power unit's rated film area. Several Picos can control the same PowPak, and the PowPak can join a Lutron smart-home system.

04 Pair the Pico With the PowPak

STEP A

Restore power. Hold the PowPak button until its LED flashes (about 6 seconds).

STEP B

Hold the Pico OFF button until the PowPak LED flashes quickly (about 6 seconds).

STEP C

Test: press ON (clear) and OFF (opaque). Repeat for each extra Pico.

Steps can vary by PowPak model — see the Lutron guide in the box.

Still Not Working?

Check that the green lights on the power unit are on and that the PowPak LED reacts to the Pico. If the film still does not switch, email info@smartfilmsinternational.com.