

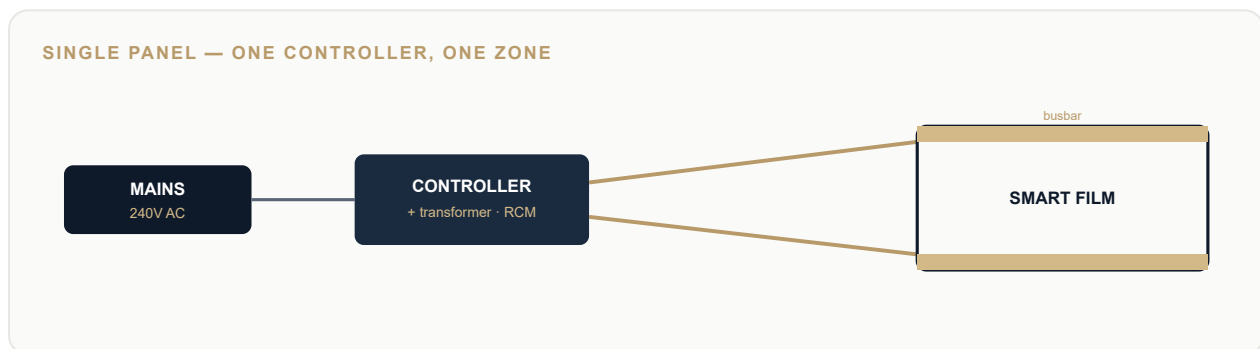
## Wiring guide — single & multiple panels.

Clearshift smart film switches on **60 V AC** supplied by an RCM-marked Clearshift controller and transformer. All mains-side work must be carried out by a **licensed electrician under AS/NZS 3000**. This guide is an overview — detailed, panel-specific diagrams ship with every order in the Installation Manual.

**Before you start:** Isolate the mains. Confirm the controller is rated for the total film area on the circuit. Every electrode, lead and busbar must be insulated and sealed, with no electrical component touching the framing.

### 1 · SINGLE PANEL

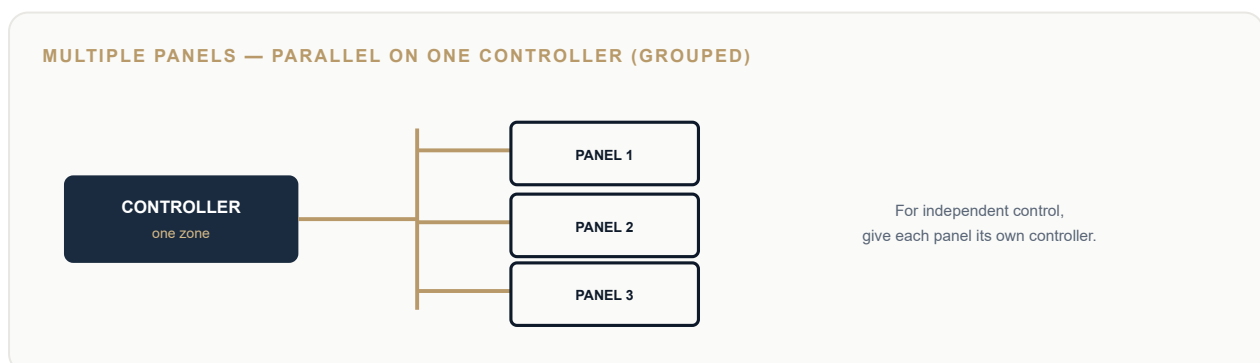
A single panel is the simplest setup: mains feeds the controller/transformer, and the controller's two low-voltage output leads connect to the panel's two busbars (one per side of the film). One controller drives one switching zone.



### 2 · MULTIPLE PANELS

How you wire multiple panels depends on whether they should switch together or independently:

- Grouped switching — wire panels in parallel off a single controller so they all frost and clear together with one switch. Keep the combined area within the controller's rating.
- Independent switching — give each zone its own controller (and its own switch, remote or app channel) so rooms or sections can switch separately.



### ELECTRICIAN'S SAFETY CHECKLIST

- Carry out a site check before install — confirm all electrodes, wires and components are insulated and sealed.
- No electrical component may contact the framing structure.
- Connect only to the supplied Clearshift RCM-marked controller/transformer, within its rated voltage, frequency and wattage.
- Protect all connections from moisture and condensation — improper sealing can cause failure or delamination.
- Conceal the non-LC edge strip and busbar area within the framing system.

Need the full diagrams? Every order ships with the Clearshift Installation Manual containing panel-specific wiring diagrams and dimensions. Questions? Email [admin@clearshift.com.au](mailto:admin@clearshift.com.au) and we'll talk your sparky through it.

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Smart film is a 60 V AC switched electrical product. Mains-side connection must be performed by a licensed electrician under AS/NZS 3000. Incorrect wiring or non-approved power supplies void the warranty.