



Single-zone dimming controller for hospital patient rooms. Merges a bedside push-button remote and a wall-mounted 0–10V dimmer into one controlled output for the patient headboard reading light. Last-action-takes-precedence logic lets either input override the other at any time. NEMA 1 DIN-rail enclosure for above-ceiling or in-wall installation.

KEY FEATURES

- ✓ Last-action-takes-precedence: the bedside remote or wall dimmer, whichever was used last, controls the light
- ✓ Bedside push-button: press-and-hold ramp dimming, dry contact, no field voltage required
- ✓ Wall 0–10V dimmer input with noise-rejection filtering; signal sourced by PT-CTRL
- ✓ Wall toggle switch input (120VAC) via internal interposing relay; line voltage isolated from logic board
- ✓ 0–10V current-sinking output compatible with LED drivers and fluorescent ballasts
- ✓ 277VAC dry-contact relay output for on/off switching
- ✓ Non-volatile memory retains last dim level and relay state across power cycles
- ✓ NEMA 1 DIN-rail enclosure, plenum-rated; field-terminated via terminal blocks

SPECIFICATIONS

| | | | |
|-----------------------|---|------------------|------------------------------------|
| Inputs | Bedside dry-contact remote; 0–10V wall dimmer (sourced); 120VAC wall toggle (via interposing relay) | Power | 120VAC, 50/60Hz, constant hot; <5W |
| Dimming Output | 0–10VDC, current sinking | Enclosure | NEMA 1, DIN-rail, screw-lid |
| Relay Output | Dry contact NO, up to 277VAC | Wiring | Field-terminated terminal blocks |
| Ramp Time | Adjustable; default ~5 sec full travel | | |

INSTALLATION NOTES

- Dedicated 120VAC constant-hot circuit required for PT-CTRL power.
- Wall toggle switch carries 120VAC to internal interposing relay. Install per NEC. All other field wiring (bed remote, wall dimmer, 0-10V output) is low-voltage.
- PT-CTRL sources the 0-10V signal to the wall dimmer. No external power required at dimmer.
- Install by qualified electrician only.

ORDERING INFORMATION

| Part Number | Description |
|------------------------------|---|
| PT-CTRL-1DIM-1REM-1ZONE-120V | Patient Room Lighting Control Interface, 1 Zone, 120VAC, NEMA 1 |