

## Project Information

Job Name: \_\_\_\_\_

Location: \_\_\_\_\_

Catalog#: \_\_\_\_\_

Contact/Phone: \_\_\_\_\_

# MedLux® Dimmer

MRI-Safe LED lighting  
control system

## PRODUCT DESCRIPTION

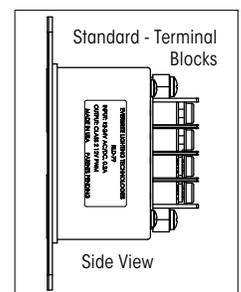
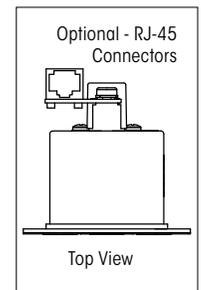
The MedLux® Dimmer is designed to operate exclusively with MedLux® LED lamps and illuminators. This state-of-the-art dimming controller features a distinguishable shallow profile with an easy-to-clean keypad and easy-to-store dim level preset.

The positive feedback keypad allows for full brightness "ON MAX", 32 levels of dimming (▲/▼), "OFF" and an "ON PRESET" that recalls a user set level stored in memory. The ON MAX setting produces full brightness for cleaning, maintenance and emergencies, while ON PRESET activates a pre-programmed light level for performing scans, set by the user. Smooth dynamic operation is achieved without changing the white level color temperature of the LED light sources.

## Product Views



MedLux® Dimmer Keypad



## PRODUCT FEATURES

### MRI-Safe

All Non-ferrous Construction

Proprietary Electronics

### Advanced Lighting Control

Dimming Technology

### Control Pad Design

## BENEFITS

- No restrictions on mounting locations - can be mounted in or out of shield room (if allowed by magnet manufacturer)

- Quiet operation, no RF emissions

- Smooth dynamic control  
- Even color temperature throughout dimming range  
- Class 2 low voltage; easy plug-in type connections  
- Single keypad controls up to 30 fixtures

- Aesthetically pleasing - similar to other controls used in medical industry  
- Easy to clean surface  
- Long-life LED indicator light  
- Easy to install - mounts in standard wall box with minimum 3" depth

# MedLux® Dimmer

MRI-Safe LED lighting control system

## SPECIFICATIONS

### Lighting Control System:

Dimensions	4.5"H x 2.75"W
Input Voltage	16VAC, 50/60Hz, or 15VDC to 48VDC Class 2 Power Source (16VAC Transformer, Mounting plate, and Connecting Cable supplied)
Input Power	2.4 Watts, 4.8 VA (assuming non-pfc wall adapter)
Safety Rating	All circuitry meets NEC Class 2 requirements per UL® 8750
Output	0 to 12 VDC, pulse width modulated, trapezoidal wave, 100mA max.
Operating Range	Off; 12% - 100%
Operating Frequency	Internal clock= 32.7KHz (fully MRI compatible) PWM frequency = 130Hz
Controls	ON MAX - Press to activate dimmer, sets output to FULL ON ARROW UP - Press or Press-and-Hold to increase brightness ARROW DOWN - Press or Press-and-Hold to decrease brightness SAVE - Place current brightness setting into memory ON PRESET - Recall last "saved" brightness setting OFF - Press to turn lights OFF; dimmer "night light" remains active
Wiring Description*	Terminal block for discrete wired installations is standard. Optional RJ-45 connectors available with Class 2, shielded plenum rated signal cables.
Mounting	Standard single gang wall switch box, minimum 2"W x 2.75"H x 3"D (inside clearance, 20.3 cu. in. typ.). May be located inside the MRI Suite with no additional equipment, or in the control room when a suitable facility filter is installed.
Keypad Plate Mounting	3.28" vertical screw centers

Note: Specifications subject to change without notice.

\*Refer to MedLux Installation Manual for wiring diagrams & specifications.



MedLux™ Dimmer  
- approximate size

## ORDERING INFORMATION

<b>XLD</b>	<b>00</b>	<b>CR</b>	Control Room Application
<b>XLD</b>	<b>00</b>	<b>SR</b>	Shield Room Application



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