4" LCD TOUCH SCREEN DISPLAY PANEL

RTI-KX4

Multiple screen display options for control of scenes, lights, and/or DLM shades.

Control multiple lighting scenes for multi-purpose spaces

Simple, single button control of the entire space at entry with the room button

Supports up to 5 scenes, 5 light groups, and 1 shade group

Elegant graphical user interface provides a premium control experience

Five physical buttons provide optional, quick access to common actions

Proximity and light sensors automatically wake the screen as a user approaches and adjusts screen's brightness

Customizable text allows for space-specific labeling

DESCRIPTION

The RTI-KX4 is a 4" LCD capacitive touchscreen that allows for simple control of complex spaces. The professional, predefined screen options provide whole room, lighting, shading, and/or scene control from a single control station. By connecting to the DLM Serial Data Interface (LMDI-100), the RTI-KX4 can control the connected DLM room, as buttons may be configured to command any of the LMDI-100's supported actions.

APPLICATIONS

The RTI-KX4 is ideal for office buildings, educational facilities, and health care spaces where multiple zones of control exist. It is also ideal for spaces with DLM shades, allowing combined control with lighting in a single, simple interface. The RTI-KX4 cannot setup partitioned rooms or send network group commands.

OPERATION

The RTI-KX4 is powered by either a 9-16VDC power supply or a POE power source, and utilizes the LMDI-100 as an interface with the DLM room. Once connected and programmed, the RTI-KX4 sends RS-232 string commands to the LMDI-100 based on user inputs. Each screen requires its own LMDI-100 and a power supply connection. Using multiple LMDI-100's allows for use of multiple RTI-KX4 touchscreens in a single room.

FEATURES - HARDWARE

- 4" diagonal high-resolution LCD panel with capacitive touch interface
- Proximity sensor for auto-sleep/wake
- Ambient light sensor automatically adjusts screen brightness
- Included drywall cut-out template for ease of install
- Blank button kit available to replace standard icon buttons

FEATURES - SOFTWARE

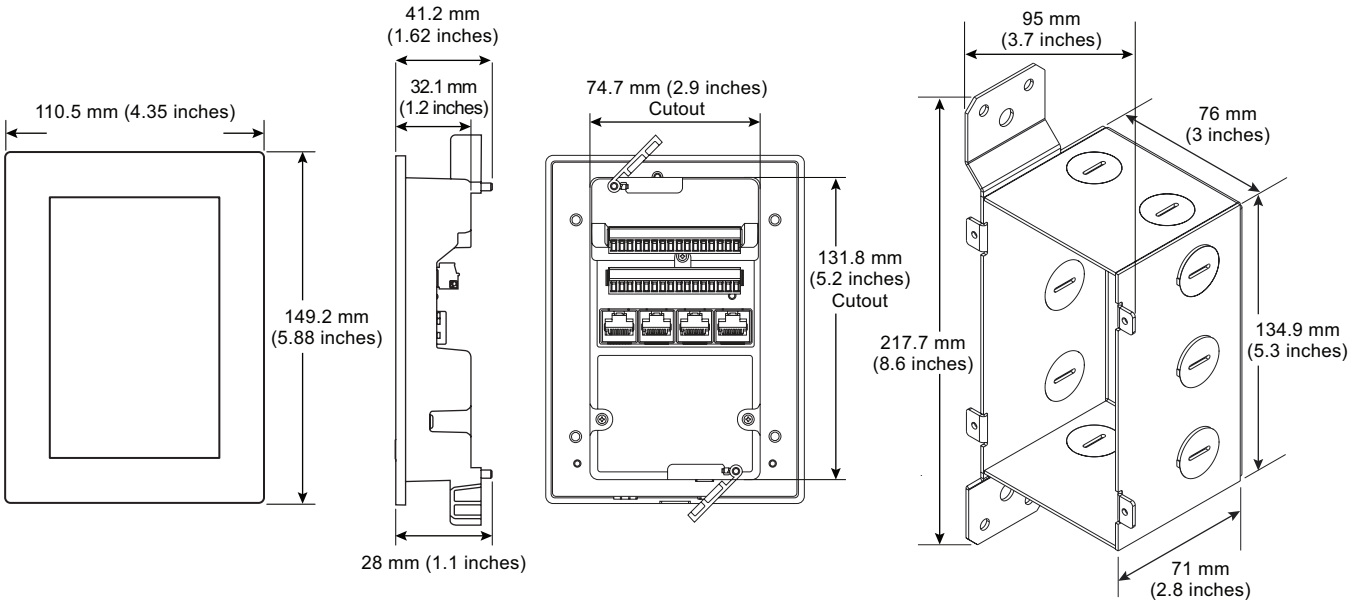
- Utilizes powerful LMDI-100 control capabilities to easily interface with DLM rooms.
- Customizable text allows for space-specific labeling
- Multiple Wattstopper-defined user interface templates allow tailoring to the specific needs of any project
- Station naming allows for easy identification of control locations

PROJECT		LOCATION/ TYPE	

SPECIFICATIONS

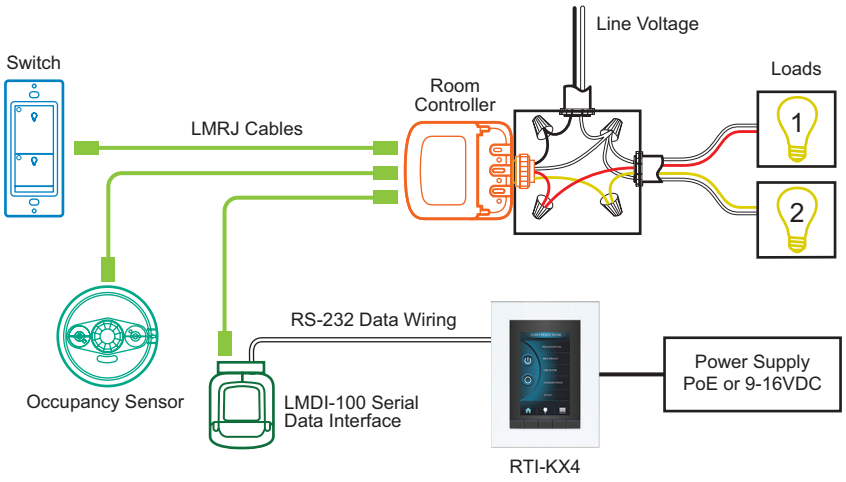
- Display
  - High brightness color TFT LCD, WVGA (480 x 800 pixels) with 16.7M colors
  - High resolution projected capacitive touch screen
  - LED backlit, 310 nit
  - 4 inches diagonal
- RJ-45 connections for RS-232 wiring and POE
- Power: PoE (max 100 meters) or 9 to 16VDC 1A max
- Mounting: Wall mount using either integrated mounting wings or screws through front plate
- Environmental
  - Operating Temperature: 32°F to 122°F (0°C to 50°C)
  - Relative Humidity: 5% to 95%, non-condensing
- Dimensions:
  - Installation cut-out (H x W): 2.9 x 5.2 inches
  - Outer bezel (H x W): 4.35 x 5.88 inches
  - Depth: 1.27 inches, with mounting wings 1.62 inches
- Housing Material: High-impact Molded ABS Plastic
- Warranty: 3 Years
- Certifications: CE, FCC, EAC, RCM

DIMENSIONS



Bezel **Side** **Back** **Back Box**

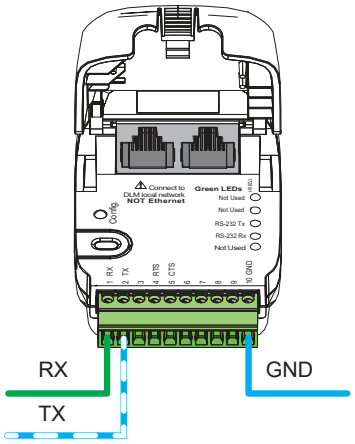
EXAMPLE OF SYSTEM WIRING



RS-232 WIRING TO LMDI-100

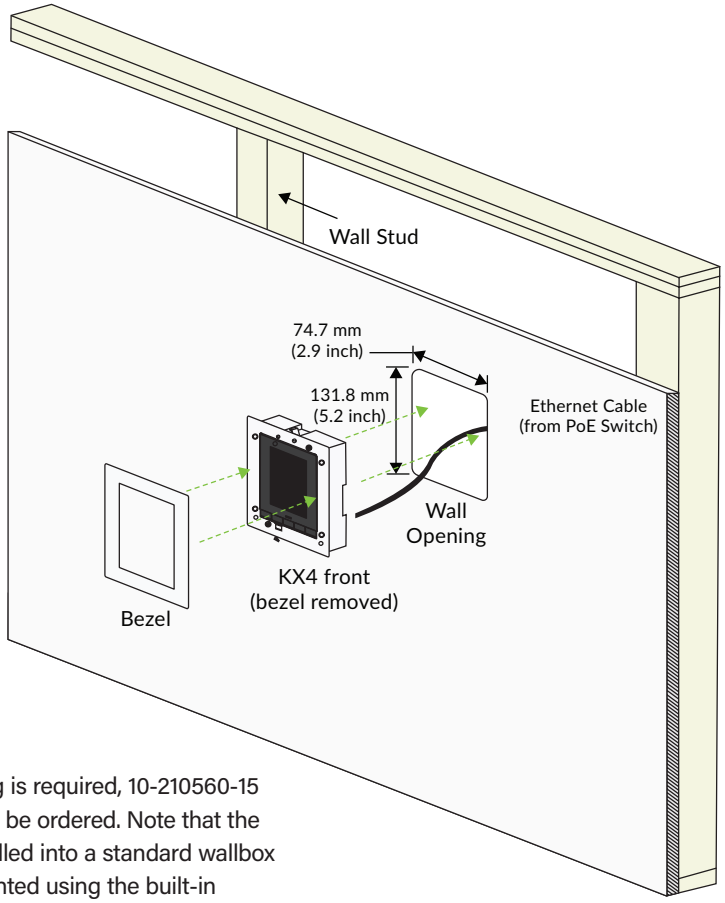
RS-232 wiring may be provided to the RTI-KX4 screen via an RJ45 terminated Cat5e cable to port RS-232 (1). RS-232 wiring must be connected to the LMDI-100 via the included terminal block. RS-232 wiring distance should be less than 10ft. See the table and diagram for reference to required connections using Ethernet T568B standard.

Ethernet B Connections	
Wire Color	**LMDI-100 Terminal**
Green	1 (RX)
Blue/White	2 (TX)
Blue	Ground
Other	N/A



MOUNTING

The RTI-KX4 Touchscreen should be mounted on the wall using the two mounting wings that are located on the top and bottom of the RTI-KX4 Touchscreen, which can be used to secure the RTI-KX4 Touchscreen to drywall in retrofit installations. Place the RTI-KX4 Touchscreen in the opening in the wall and tighten the mounting wing screws located on the front of the RTI-KX4 Touchscreen (bezel removed). Use the included cardboard cut-out template to create the correct size opening in the wall.



NOTE: Where wallbox mounting is required, 10-210560-15 (RTI KX4 Back Box) may be ordered. Note that the RTI-KX4 cannot be installed into a standard wallbox and must either be mounted using the built-in mounting arms, or into the 10-210560-15 KX4 wallbox.

SCREEN OPTIONS AND CUSTOMIZATION

Three standardized screen options are available and customizable to adapt the RTI-KX4 for any project's unique requirements.

Home Screen

The Home Screen provides On+Off+Dim control for primary loads in the space, with ability to recall up to five scenes.

Lights Screen

The Lights Screen provides On+Off+Dim control for up to 5 lighting loads or 5 lighting load groups. Load groups may contain many lighting loads.

Shades Screen

The Shades Screen provides ramping and toggling control of motorized DLM shades, with ability to quickly send shades to full close, full open, or a predefined partial state.

Screens are customizable to meet the unique needs of all projects.

Customized header

Reduced load list

Customized load names

Configurations for lighting only, shading only, or both

Quick access to common actions via programmable physical buttons

ORDERING INFORMATION

Catalog #		Description
☐	RTI-KX4	4" LCD Touchscreen Display Panel
☐	1RTI40-210937-26	Blank Button Kit
☐	10-210560-15	RTI KX4 Back Box
☐	LMDI-100-U	Serial Data Interface, BAA/TAA compliant*
☐	COM-POE-SWITCH	Fast, Ethernet PoE Switch, 8 Port, 4 Port PoE, 48V, 1.25A, provided with plug-in adaptor

An LMDI-100 and a suitable power supply are required for proper integration with DLM. Devices sold separately.

*Product is compliant with Buy American Act and Trade Agreement Act

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