



## KX2 2.8 inch In-Wall Touchpanel Keypad

The KX2 in-wall touchpanel has a clean, sleek design with twelve programmable hard buttons and a 2.8" color touchscreen. The hard buttons and graphic interface are fully programmable using RTI's Integration Designer® software for full control of electronics throughout the building. A built-in infrared output port allows direct control or get two-way control when used with an RTI XP series control processor. In addition, the unit's integrated 10/100Base-T Ethernet port with Power-over-Ethernet (POE) provides the flexibility to accommodate any installation.

## Key Features

- Fully customizable 2.8" touchscreen display and twelve assignable/programmable buttons.
- QVGA resolution (240w x 320h) TFT LCD to display custom buttons, text and graphics.
- Integrated 10/100Base-T Ethernet port with Power-over-Ethernet.
- IR output drives up to 1000 feet of wire.
- Proximity sensor automatically wakes the unit up when approached by the user and an ambient light sensor adjusts the brightness.
- Integrated mounting wings for easy installation in retrofit installs.
- Fits in a 4"x4" square electrical junction box (See important information reverse side of this page).\* \*
- Ships with stylish, low-profile white bezel - bezels also available in black, light almond and brushed aluminum.
- Optional modules/processors for voltage sensing, relays and advanced two-way control.
- USB and Ethernet programming.

### Additional Bezel Options



## Specifications

Power.....	+9VDC to +16VDC, 1A max
Power Management.....	Adjustable backlight brightness, Ambient light sensor
.....	Proximity sensor
Touchscreen Display.....	High-brightness color TFT LCD
.....	QVGA (240w x 320h pixels) with 65K colors
.....	Integrated high-resolution resistive touchscreen
Display Size.....	2.8" (71mm) diagonal
Display Backlight.....	LED Backlit, 200nit
Infrared Output.....	Through control port, 200mA output
.....	Drives up to 1000 ft (300 m) of wire
Ethernet Port.....	10/100 Base-T with Power-over-Ethernet
Operating Temperature.....	+32°F to +122°F (0°C to +50°C)
Operating Humidity.....	5% to 95% Non-condensing
Total System Memory.....	32MBytes Flash (non-volatile) memory
Device Capability.....	Total number of devices is limited only by memory
Macro Capability.....	Unlimited steps in a single macro
.....	Total number of macros is limited only by memory
.....	Macro capability on every button
Communications.....	USB programming port
Audio.....	Beeper
Enclosure.....	High-impact molded ABS plastic
Mounting.....	Integrated mounting wings, or screws through front bezel
Front Plate Dimensions (H x W).....	4.4 in (112mm) x 4.6 in (117mm)
Installation Cut-Out (H x W).....	3.789 in (96.5mm) x 3.789 in (96.5mm)
Total Depth in Wall.....	1.2 in (31mm) Plus cables
Weight.....	7.5 oz (212g)
Warranty.....	Three Years (Parts & Labor)

\* All Specifications subject to change without notice.

\*\* The KX2 uses a standard 4"x 4" electrical junction box. These should be available at most hardware stores or electrical supply stores online (ex. Grainger.com).

### NOTES:

- A dual gang outlet box will NOT work.
- The KX2 has .38" thick corner tabs, making the KX2 protrude .38" from the front edge of the junction box. Therefore, the electrical box should be mounted flush with the wall stud. Typically wall sheeting materials like drywall are ½" or thicker, allowing the KX2 to be flush with the wall sheeting. If the wall sheeting is thinner than .38", the junction box will need to be mounted set back.
- Use #8 – 32 flat head screws.
- Box should be 1.5" minimum depth.



Electrical Junction Box  
4" h x 4" w x 1.5" d



The KX2 hard buttons (12) may be custom laser etched using the RTI Laser Shark service.

## RTI User Interfaces

RTiPanel	Mobile & PC Software Interface (App)
SURFiR	Companion Remote Control
T1-B+	Remote Control
T2i	Remote Control
T2x	Remote Control
T3x	Remote Control
RKM-1+	In-Wall Audio Distribution Keypad
RK1+	2-4-8 Button In-Wall Keypad
KX1	1.2" Audio Distribution Keypad
KX2	2.8" In-Wall Touchpanel Keypad
KX3	3.5" In-Wall Touchpanel Keypad
KX7	7" In-Wall Touchpanel
KX10	10" In-Wall Touchpanel
CX7	7" Countertop/Under-Cabinet Touchpanel
CX10	10" Countertop/Under-Cabinet Touchpanel

## RTI Control Accessories

RP-4	RF Control Processor
XP-3	Advanced Control Processor
XP-6	Advanced Control Processor
XP-8v	Advanced Control Processor
RM433	433MHz RF Antenna
ZM24	2.4GHz Zigbee Transceiver
ZW-9	Z-Wave® Interface Module
CB-8	Touchpanel Connecting Block
CM-232	RS-232 Communication Module
CPB-1	Control Port Connecting Block
ECB-5	IR Connecting Block
ESC-2	Ethernet to Serial Converter
IPE-4	IR Port Expander
PCM-4	Port Control Module
RCM-4	Relay Control Module
vIRsa Mouse	IR Emitter

## RTI Audio/Video Distribution

AD-4x	4x4 Audio Distribution System
AD-8x	8x8 Audio Distribution System
AD-16x	16x16 Audio Distribution Matrix Switch
CP-450	4 Channel Cool Power® Amplifier
CP-1650	16 Channel Cool Power® Amplifier
VHD-4	4x4 HDBT Video Matix Switch
VHD-8	8x8 HDBT Video Matix Switch
VHT-1	HDBT Video Transmitter
VHR-1	HDBT Video Receiver



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