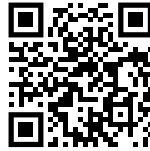


CT-K2L - User Guide



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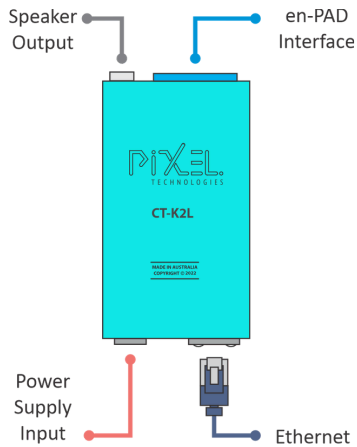
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Description [↗](#)

The CT-K2L is a keypad encoder module that provides an interface between an En-Pad 4x4 mechanical keypad and Pixel Technologies' touch-enabled encoder modules over Ethernet. Designed with a compact form factor, it is the perfect solution for integrating a mechanical keypad into Pixel's elevator touch display system.

Wiring Overview & Installation [↗](#)



Installation [↗](#)

1. Install the CT-K2L at the desired location within elevator cabin.
2. Connect the En-Pad to the keypad interface.
3. Connect a CAT6 cable from the Ethernet interface to the elevator cabin touch system networking switch.
4. Connect an optional speaker to enable audio keypad beeps.
5. Connect a power source to the Power Supply Input.

System LED Indicators [↗](#)

Status LED	Color	Status	Description	Ethernet LED	Color	Status	Description
	Green	Blink 0.5s	Idle		Green	ON	Ethernet Link
	Blue	ON	Button Press		Yellow	Blink	Ethernet Activity

Configuration [↗](#)

To configure the CT-K2L to communicate En-Pad key presses to the Pixel's touch-enabled encoder module, follow the steps below:

Access device Web Server [↗](#)

1. Ensure your computer's ethernet adapter is assigned a **unique** static IP on the 10.100.1.x subnet.
2. Connect a CAT6 cable from your PC/Laptop to the Ethernet interface port.
3. Launch your web browser (e.g. Google Chrome) and enter the factory default IP `10.100.1.150` into the URL bar.
4. Once connected to the CT-K2L Encoder Module's web server, go to the **Configuration** tab.

Settings [↗](#)

Alter the settings below to meet your keypad requirements, and click the **Program** button to update.

Keypad debounce (ms): Time applied to ensure only a single keypress is registered, even if the key is held down. (Default: 60ms)

Keypad timeout (ms): The time interval within which multiple key presses must occur to register a multi-press floor selection. (Default: 1000ms)

Keypress Assignments: Configure the keypad hotkeys you wish to map to the available entries. Each supports up to 4 alphanumeric characters.

i Ensure the ASCII values entered match the same floor label mapping that has been entered into Pixel's touch-enabled Encoder module.

1	2	3	'Key A'
4	5	6	'Key B'
7	8	9	'Key C'
★	0	'Key -'	Accessibility

Ethernet [↗](#)

1. Assign a unique static IP address. Pixels' typical IP schema for Encoder Modules are:

- Lift Controller Encoder: 10.100.1.1xx (xx is 01 for elevator 1 and increments upwards)
- CT-K2L En-Pad Encoder: 10.100.1.1xx (xx is 51 for elevator 1 and increments upwards)
 - Factory Default IP: 10.100.1.150

2. Click **Program** to update settings.

- After programming, label your CT-K2L with its Lift Name & unique static IP Address

DCT Groups [↗](#)

1. Set the **Local Groups**, Group Name and Group Address (IP) to communicate with the Pixel Lift Controller Encoder within the elevator cabin.

- a. Group Name = Lift x (where x is the elevator number/letter)
- b. Group Address = 239.255.0.x (where x is the elevator number)

2. Click **Program** to update settings.

Technical Specifications [↗](#)

Operating Voltage	12 - 24V DC
Operating Current	12V: 70mA 24V: 40mA
Keypad Interface	4x4 En-Pad (16 keys)
Ethernet Interface	10BASE-T (10Mbps)
Speaker Output	8 Ohms, 0.5W
Operating Temperature	0 - 50°C
Operating Humidity	90% max RH, non-condensing