



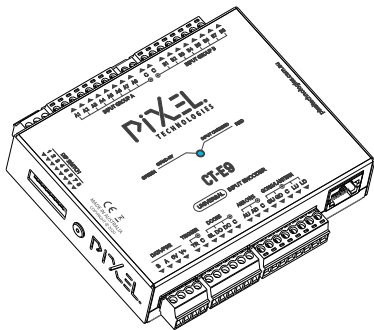
CT-E9

User Guide

Rev: 1.0.2211.0

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Description



The CT-E9 universal input encoder provides an interface to encode lift controller signals and communicate these signals to Pixel Technologies Devices using our DataBus protocol.

Features:

- Discrete, Binary and Gray code input encoder modes
- Pixel Technologies DataBus output protocol
- Separate electrical commons for all input groups
- Dip Switch configurable
- Ethernet connectivity
- Extended features programmable via built in web server
- Live Data web server view
- Pixels Mode 2 (5 lift messages), Mode 3 (16 lift messages)
- Supports up to 127 floor levels (Binary or Gray code)
- Force Arrows function
- Configurable input Debounce, Delay, Active Low & High modes
- Demo mode output mode
- Status LED indicators (Ethernet & Input Change)

Advanced Parameter Setup

You can connect to the CT-E9 via a network or directly using your PC or laptop to access the built-in web server.

Accessing the web server allows for extended parameter setup. It also includes Live Data view allowing the user to validate the lift controller inputs and messages being received.

Factory Default IP: 10.100.1.150

Connecting to web server

- 1 Ensure the device is powered and the status LED is blinking
- 2 Set your computer to use a Static IP other than the IP set for the CT-E9.
- 3 Connect an Ethernet cable to your PC and the other end to the Ethernet port on your CT-E9.
- 4 Your PC will now connect to a local area network (LAN) and the Act LED on the Ethernet port will blink.
- 5 Use a web browser to access the web server by entering the device IP into the browser URL bar.
- 6 Once connected to the web server, you will be able to access the 'Configuration' tab to program and setup the device.

Specifications

Operating Voltage	12 - 28V DC
Operating Current	100mA
Input Voltage	10V DC (min) - 30 VDC (max)
Input Protocols	Discrete, Binary, Gray code
Output Interface	RS-485
Output Protocols	Pixel & Design-Com - Mode 2 & 3
Pixel DataBus Length	400m, maximum of 128 nodes
Ethernet	10/100Base-TX
Status Indication	Status (RGB LED), Ethernet
Operating Temperature	0 - 50°C
Operating Humidity	90% max relative humidity, noncondensing
Mounting	DIN Rail or Surface mounting
Dimnesions (mm)	107(W) x 102(H) x 33(D)

Input Group A

- 8 message inputs (Default)
- Configurable number of messages via webserver
- NOTE:** Message Priority is Highest to Lowest.
- I.e Both Message 1 & 5 active, Message 5 will take priority.

System Status LED Indicators

Stand-by	Green		Blink
Input Changed	Red		ON

Dip Switch

Selectable modes of operation

DIP	Mode	OFF	ON
1	DHCP Enable	Disable	Enable
2	Output Protocol	Mode 3	Mode 2
3	Message Input Type	Discrete	Binary

PI (Floor) Input Mode	4	5	6
Discrete	OFF	OFF	OFF
Binary	OFF	ON	OFF
Graycode	ON	OFF	OFF
Demo Output Mode	ON	ON	ON

DIP switches 7 - 8 are not applicable and reserved.

Pixel Devices (DataBus)

Displays & stand-alone DVA units
Recommended Cabling: Shielded Twisted Pair Belden 8723 or equivalent.

Trigger & Doors

- Trigger - Used to trigger voice annunciation, gongs, lanterns & on-screen tennant messages
- Doors Opening & Closing
- Individual Commons

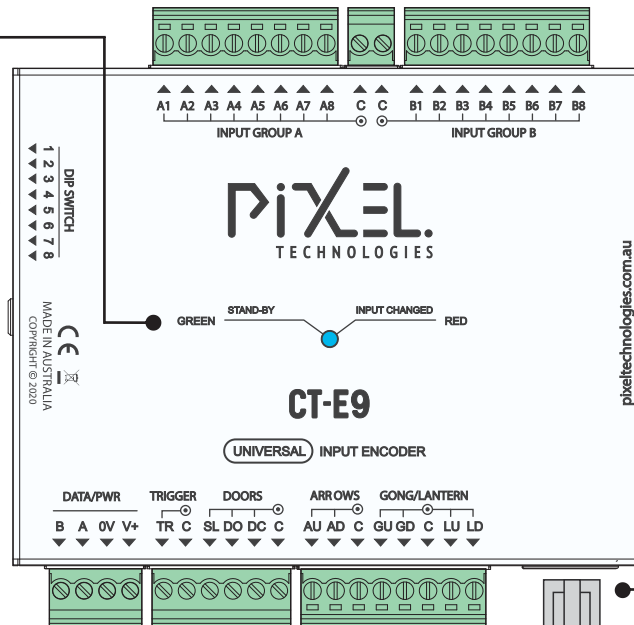
Arrows, Gongs & Lanterns

- Up & Down Arrows
- Gong Up & Down
- Lantern Up & Down
- Individual Commons

Group A & B Individual Commons

Input Group B

8 PI inputs (Default)
 Configurable number of PI inputs via webserver



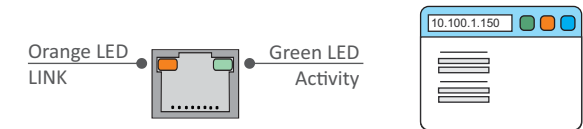
Function	Inputs (Mode 2)	Inputs (Mode 3)
Up Arrow [Image]	AU	AU
Down Arrow [Image]	AD	AD
Up Direction [Audio]	AU ⇒ SL	LU ⇒ DO
Down Direction [Audio]	AD ⇒ SL	LD ⇒ DO
Doors Opening [Audio]	-	DO
Doors Closing [Audio]	-	DC
Lift Message [Image & Audio]	Message Input*	Message Input
Floor [Image]	PI	PI
Floor [Audio]	PI ⇒ SL	PI ⇒ SL
For displays with external hall lantern and gongs		
Hall Lanterns Up	PI ⇒ AU ⇒ SL	PI ⇒ LU
Hall Lantern Down	PI ⇒ AD ⇒ SL	PI ⇒ LD
Gong Up	PI ⇒ AU ⇒ SL	PI ⇒ GU
Gong Down	PI ⇒ AD ⇒ SL	PI ⇒ GD

⇒ The sequence & combination of signals required to perform the function.

*Mode 2 Supports maximum of 5 messages

Ethernet

Web Server access & Network Connectivity



! If the unit has been programmed for a project it might have been assigned an IP address, this can be found on the back of the unit.

Alternatively, if the unit IP is unknown and requires a reset to its factory default then:

1. De-power the unit
2. Turn all DIP switches ON
3. Power the Unit
4. Log in to the Web server at 10.100.1.150
5. Once confirmed, revert all dip settings as required.

Please refer to www.pixeltechnologies.com.au for warranty disclaimer, mechanical drawings and serviceable parts.

	CT-E9	Date:	18/03/22
	Installation Diagram		
Designed By: D.H	Revision: 1.0.2211.0	Sheet: 1/1	