



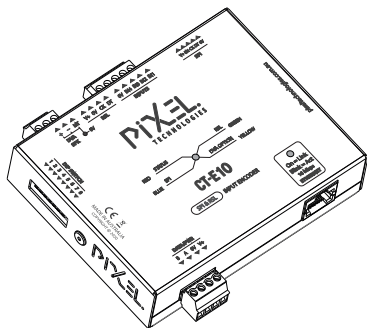
CT-E10/SPI

User Guide

Rev: 1.0.2132.0

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Description



The CT-E10/SPI interface module converts KONE SPI serial link to the Pixel Technologies DataBus protocol.

Data is sent on both RS-485 (A & B) and Ethernet simultaneously to Pixel & Design-Com peripherals.

Features:

- Kone SPI interface
- Next stop protocol support
- Pixel Technologies DataBus output protocol
- Ethernet connectivity
- Programmable via built in web server
- Pixels Mode 2 (5 lift messages), Mode 3 (11 lift messages)
- Opal Touch screen interface
- Supports up to 127 floor levels
- 4 external configurable digital inputs
- Status LEDs (Status, SPI, DVA & Ethernet Link Activity)
- DVA Option (Factory fitted upgrade - PN: AD-DVA-MX)

Setup

You can connect to the CT-E10/SPI via a network or directly using your PC or laptop to access the built-in web server.

Accessing the web server allows for SPI floor level and advanced parameter setup. It also includes a monitoring page allowing the user to validate the SPI serial data and messages being received.

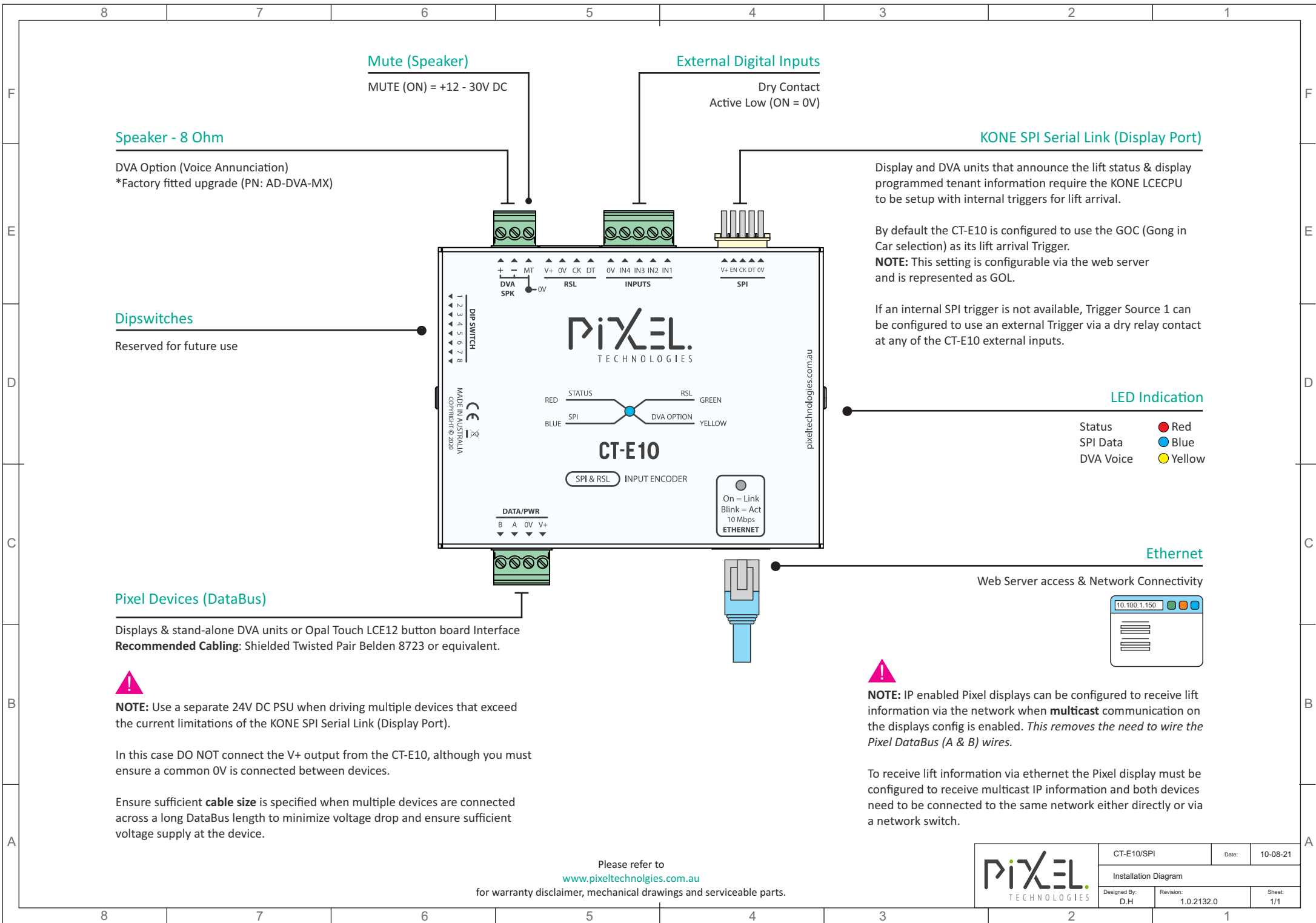
Factory Default IP: 10.100.1.150

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-E10/SPI.
- 3 Connect an Ethernet cable to your PC and the other end to the Ethernet port on your CT-E10/SPI.
- 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 - 30V DC
Operating Current	100mA (additional 200mA with DVA Option)
Input Protocols	KONE SPI (Landing & Car Display Interface)
Output Interface	RS-485, Ethernet
Output Protocols	Pixel & Design-Com - Mode 2, 3 & Opal Touch
Pixel DataBus Length	400m, maximum of 128 nodes
Ethernet	10BASE-T (10Mbps)
Status Indication	Status (RGB LED), Ethernet
External Input Type	Digital - Dry Contact, Active Low (ON = 0V)
Operating Temperature	0 - 50°C
Operating Humidity	90% max relative humidity, noncondensing
Mounting	DIN Rail or Surface mounting
Dimensions (mm)	107(W) x 102(H) x 33(D)
DVA (Factory fitted)	Digital Voice Annunciator, 1.3W @ 8 Ohms
DVA Mute Function	+12 - 30V DC



NOTE: Use a separate 24V DC PSU when driving multiple devices that exceed the current limitations of the KONE SPI Serial Link (Display Port).

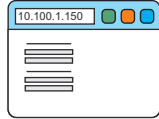
In this case DO NOT connect the V+ output from the CT-E10, although you must ensure a common 0V is connected between devices.

Ensure sufficient **cable size** is specified when multiple devices are connected across a long DataBus length to minimize voltage drop and ensure sufficient voltage supply at the device.



NOTE: IP enabled Pixel displays can be configured to receive lift information via the network when **multicast** communication on the displays config is enabled. *This removes the need to wire the Pixel DataBus (A & B) wires.*

To receive lift information via ethernet the Pixel display must be configured to receive multicast IP information and both devices need to be connected to the same network either directly or via a network switch.



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

PIXEL TECHNOLOGIES	CT-E10/SPI		Date:	10-08-21
	Installation Diagram			
	Designed By: D.H	Revision: 1.0.2132.0	Sheet: 1/1	