



KCS Range

The KCS series are compact, standalone keypad controllers, designed to manage small to medium sized projects from a centralised location. KCS controllers are optimised for single room installations and set-ups involving limited numbers of end-points, however they're capable of seamlessly integrating with KC controllers in the case of larger, decentralised projects. Capable of performing multiple asynchronous commands automation environments, they offer a cost-effective solution for a host of applications.

Ease of programming and the ability to customise ports are central to the KCS design. Configure Flexi-ports as RS232 or IR, handle serial commands, and manage I/O settings using the NebulaStudio® application. This powerful, no-code platform simplifies the development of projects, enabling quick setup and deployment of commands. The KCS series can handle up to 16 concurrent events and includes built-in universal IR learning capabilities.

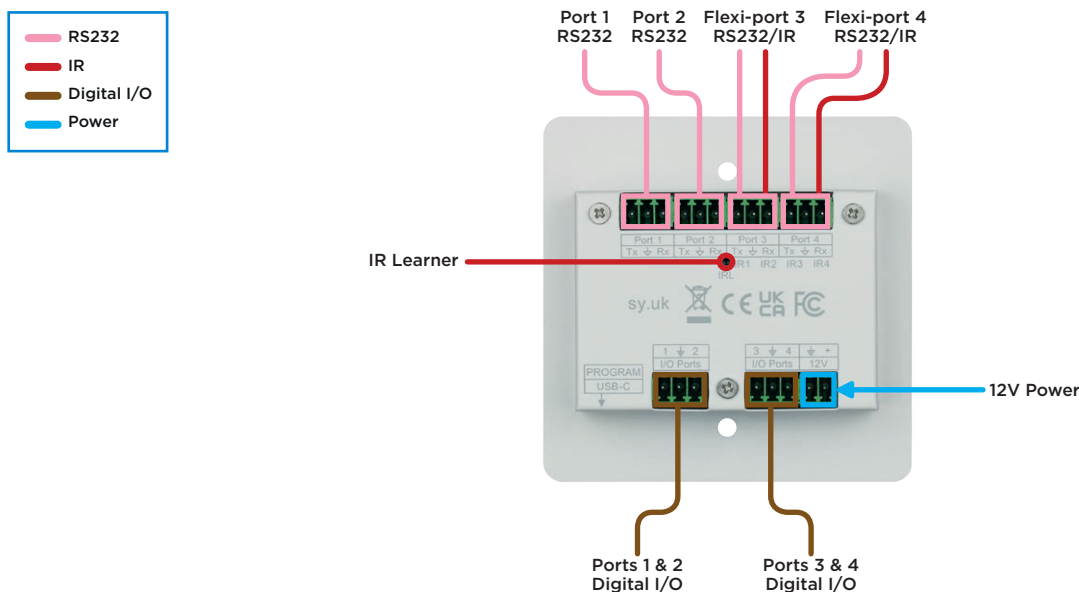
The KCS controllers feature 2x dedicated RS232 ports and 2x Flexi-ports, configurable for RS232 or IR. Additionally, they offer 4x low voltage digital I/O ports (24V, 200mA) with over-current and back EMF protection. The sleek, minimalist design is available in black, white, or brushed aluminum finish, with UK, EU, and US-style faceplates to fit standard back-boxes. Models include 4, 6, or 8 RGB illuminated buttons, and some variants offer a rotary dial with LED indicator.

Harness the power of the NebulaStudio® application to implement pre-configured commands without coding, resulting in a greatly reducing setup time. Customise your setup further with Lua scripting if needed. Labels are provided in the form of a legend sheet, and the included Cap Removal Tool provides a means for easy replacement of labels.

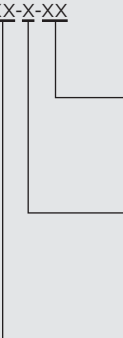
FEATURES

- 4x RS232 Ports
- 2x IR ports
- 4x Digital Input/Output ports
- Integrated IR Learner
- Full colour RGB legend-able buttons
- UK, Euro, and US faceplate choices
- White, Black, and Aluminium finish choices
- NebulaStudio® - Powerful, yet easy to use scripting software
















CONNECTIVITY ILLUSTRATION



SPECIFICATIONS

PART NUMBER	<p>SY-KCS-XX-X-XX</p>  <p>Faceplate Region UK = United Kingdom EU = European US = United States</p> <p>Faceplate Style W = White A = Brushed Aluminium B = Black</p> <p>Product 4 = 4 Buttons 4V = 4 Buttons + Volume Control 6V = 6 Buttons + Volume Control 8 = 8 Buttons</p>					
RGB BACKLIT BUTTONS	4, 6, 8 RGB illuminated buttons. Any colour/brightness 4V, 6V, Rotary dial with push button & 6 LED bar-graph					
SERIAL COMM PORTS	4x RS232, 2x IR <p>Comm Ports 1-2 4x dedicated Bi-directional Full-duplex RS232 ports (Tx, Rx)</p> <p>Flexi-Port 3 - RS232, IR Flexi-port 3 can be configured in 3 ways: - Full-duplex RS232 (Tx, Rx) - RS232 Tx with 1x IR - 2x IR</p> <p>Flexi-Port 4 - RS232, IR Flexi-port 4 can be configured in 3 ways: - Full-duplex RS232 (Tx, Rx) - RS232 Tx with 1x IR - 2x IR</p> <p>Note: Flexi-ports can be configured using NebulaStudio®</p>					
SERIAL PORT SETTINGS	Baud rate - From 600 to maximum of 115,200 8/9 bit data, parity (odd, even, non), stop bit (1, 1.5, 2)					
IR EMITTERS	25-150 KHz carrier frequency					
IR LEARNER	Universal IR capture - 25-60 KHz carrier frequency Distance: 30-150 mm					
GPIO	4x Low voltage I/O Maximum voltage rating - 24V DC Current sink capability - 200mA Max Over-current and Back EMF protection Internal weak pull-up in input mode					
POWER SUPPLY	12V 1A DC					
POWER CONSUMPTION	0.3-1W max (depending on LED brightness)					
OPERATING TEMPERATURE RANGE	0 - +40°C (+32° - +104°F)					
OPERATING HUMIDITY RANGE	10 - 90% RH (non-condensing)					
WEIGHT AND DIMENSIONS	Weight (net)	KCS4	KCS4V	KCS6V	KCS8	Size (WHD)
	UK/European	0.155kg	0.145kg	0.150kg	0.155kg	86 x 86 x 18.3 mm
	US	0.170kg	0.165kg	0.165kg	0.170kg	70 x 114.3 x 18.3 mm (2.75 x 4.5 x 0.72 inches)
WHAT'S IN THE BOX	1x KCS 6x 3-way pluggable connectors 12V 1A DC PSU Legend sheet Clear caps CRT (Cap Removal Tool) Cleaning Cloth					

CONFIGURATIONS & FINISHES

Region	KCS-4	KCS-4V	KCS-6V	KCS-8
UK 				
European 	 *	 *	 *	 *
USA 				

*Using standard UK backbox

Finishes



SY-KCS Data Sheet 01. Details subject to change with no prior notice. ©SY Electronics 2024