

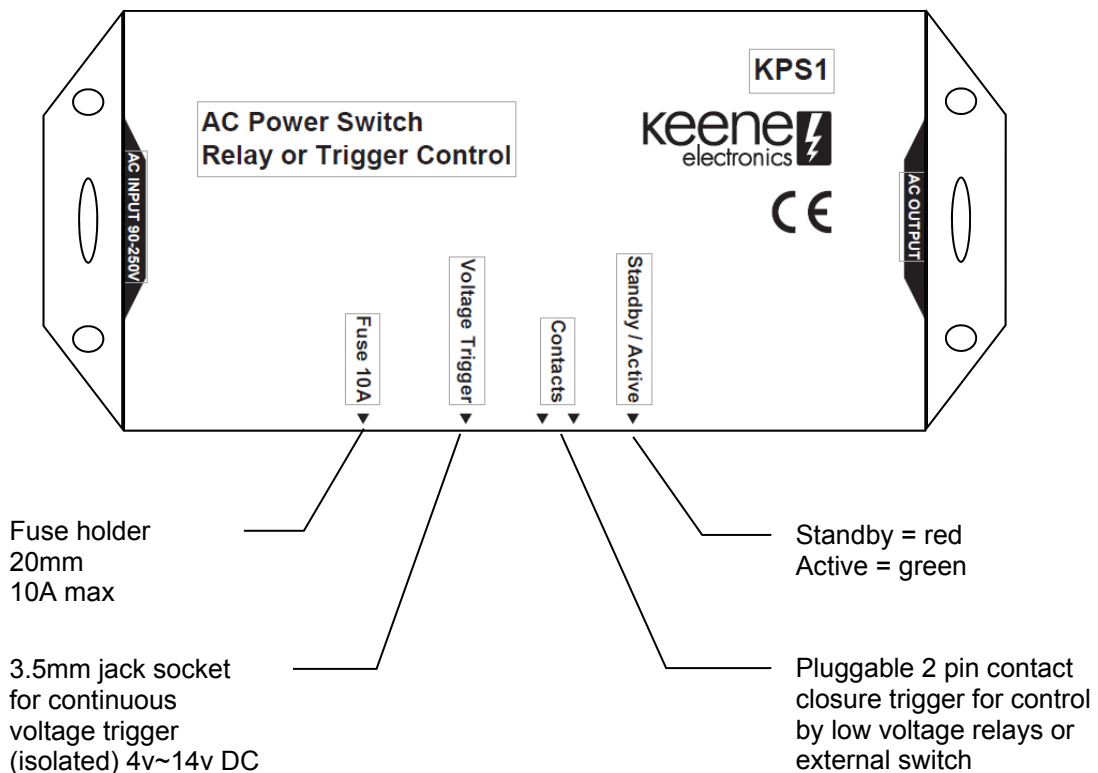
Overview

The KPS1 is a high quality module designed for easy switching of AC power up to 10A. Operation can be triggered by contact closure or low voltage trigger. Compatible with Keene KiraCC, Global Cache, Crestron, DemoPad Centro and many other compatible controllers with low voltage relay or trigger outputs. Both Live and Neutral lines are switched by a real air gap mechanical relay with multiple contacts for reliable operation.



Key features:

- 2 pin contact closure trigger for control by low voltage relays or external switch. Ground referenced 6V sense voltage.
- 3.5mm jack socket for continuous voltage trigger (isolated) 4V ~ 14V DC with automatic polarity and pin selection.
- Both Live and Neutral are switched.
- World Wide operation 90v - 250V AC 50 or 60 Hz.
- Efficient switch mode isolated internal 6V power supply.
- Built in replaceable 20mm fuse.
- Built in 250V AC varistors for mains spike suppression.
- Insulated plastic brick design with 3 pin IEC input and output for easy installation



KPS1 Specifications

Current rating	10A continuous*
AC input	3 pin IEC male 90v - 250V AC 50 / 60 Hz
AC output	3 pin IEC female 90v - 250V AC 50 / 60 Hz
Fuse	20mm fuse 10A maximum
Contacts	2 pin contact closure trigger for control by low voltage relays, external switch etc (ground referenced 6V sense voltage)
Trigger	3.5mm jack socket for continuous voltage trigger (isolated) 4V - 14V DC. Automatic polarity and pin selection on trigger input.



***Note on maximum current:**

Some devices have a very high instantaneous current draw when first powered up, this is usually referred to as the “Inrush Current” or “Surge”. Such devices usually contain large transformers, electric motors or banks of capacitors (for example power amplifiers or uninterruptible power supplies). This high current can cause the normal circuit protection fuse to fail even though the normal operating current is well within specification. If you have a requirement to switch such a load we are able to manufacture the KPS1 with circuitry that allows for inrush current protection. These models will still switch a 10A maximum load although the continuous power rating is reduced to 4A.

Please contact sales@k2audio.co.uk if you require a model with inrush protection circuitry.

Useful product codes

Code	Description
KIRACC	Keene KIRA IP Contact Closure Module
KLDM7	3pin IEC male to UK 3 pin trailing socket (KPS1 output to standard UK plug socket)
KLAMX1	3 pin IEC male to 3 pin IEC female 1m extension cable
KLAMX3	3 pin IEC male to 3 pin IEC female 3m extension cable
KLDM1	3 pin IEC female to UK 3 pin mains plug 1m (KPS1 input)
KA175	A pair of short (25cm) line adaptors with an RJ45 line socket to a 3.5mm stereo jack plug. Allows use of standard CAT5 network cables to extend the distance between the controller and the KPS1 trigger input. Works up to 100m.

A Keene Electronics original design
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