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Linn Knekt Signal Sensor

The Linn Knekt Signal Sensor is a versatile control unit to enable Klouts to be powered up when an audio signal is present, using the 12V dc operated *remote in* sockets on Klouts. The unit also has provision to power a fan and has a set of relay contacts which can be used to control other equipment.

The signal sensor unit is powered by the Knekt style mains adapter. An LED indicates the presence of power.

Signal Sensing

A left or right line level signal from a preamplifier is connected to the 'signal in' phono socket and can also be looped back out on the socket below. The Knekt Signal Sensor has negligible loading on a line level signal. The sensitivity, which is normally set to maximum, can be reduced to prevent false operation in the presence of electrical noise. To reduce the sensitivity turn the dial anticlockwise.

There are two identical outputs which can be connected directly to Klout *remote in* sockets.

Alternatively multiple Klouts can be daisy chained together using the *remote in and out* connectors on the Klouts.

Fan Control

If Klouts are in an enclosed cabinet a cooling fan may be required. A low voltage dc fan can be powered from the unit. The fan voltage can be adjusted between 1.25V and 12V.

Connect the fan to the terminal block using a small screwdriver. **The polarity is important for the fan** and is clearly marked on the unit. If using a fan rated at less than 12V set the fan voltage before connecting the fan. To increase the voltage turn the dial clockwise and to decrease the voltage turn the dial anticlockwise. The fan is controlled by the signal sensing action and will switch off after the configured time delay.

Relay Output

A set of normally open relay contacts has been provided to allow control of other equipment. An LED shows the status of the relay, and the other outputs. If the LED marked 'RELAY ON' is lit, the relay contacts are closed. This fan and the Klouts will also be switched on.

Do not use the relay contacts for switching mains or above 42V dc.

Off time delay

The time delay for switch off can be configured to be; on all the time, to switch off after 10 minutes or to switch off after 20 minutes. To adjust this remove the lid and find the jumper links at the top left hand corner of the circuit board. The options are marked on the pcb. Move the jumper to the setting that you want. The factory default is 10 minutes (middle jumper setting).

NOTE: If position 'ON' is selected, all the outputs are enabled as long as power is applied to the unit.