Code-Hopping Receiver Decoder Enhances Security

Offered with a basic antenna included, the KDEC code-hopping receiver from Radiometrix provides the user with a complete ready to use receiver interface, enabling quick and easy deployment of a secure RF remote control system.

This remote control system uses ever changing 32-bit encrypted hop-code which is encrypted using 64-bit manufacturer code and 28-bit serial number for security. The decoder has a standard frequency of 433.92MHz, though other frequencies can be offered on request. It is optimised for use with the company's KFX2 key-fob transmitters or KTX2 transmitter modules. If combined with either of these products, no additional parts are needed to create a wireless system suitable for high security remote control. The erasable secure learn function allows up to 16 different transmitters to be remembered.

When optimised for the 5-button KFX2 transmitter, it is not possible to activate more than one output per transmission and all 5 of the KDEC's 250V 8A relay outputs can be individually activated. Alternatively, when optimised for use with the KTX2, the KDEC has simple output functionality. New function-codes are fed to the relays as they are received. For both versions, momentary/latched relay action is also selected by means of a jumper link on the PCB. LED based visual indicators show which relays are in operation.

The receiver is powered by a 9-16 VDC supply. It is suitable for applications such as security/alarm systems, status reporting/monitoring secure systems, industrial controls, HVAC controls, wireless door entry systems, and simple on/off switching mechanisms.

To look at the datasheet visit www.radiometrix.com/files/additional/kdec.pdf [1].

For more information about Radiometrix, go to www.radiometrix.com [2].

The US unit pricing for the KDEC-433 is US$79.00, and the US distributor is Lemos International:
Tel: 203-254-1531 - www.lemosint.com [3]

Source URL (retrieved on *04/25/2015 - 3:22pm*):
http://www.ecnmag.com/products/2010/08/code-hopping-receiver-decoder-enhances-security

Links:
[1] http://www.radiometrix.com/files/additional/kdec.pdf
[2] http://www.radiometrix.com
[3] http://