KEELog® Evaluation Kit



Lets you evaluate the capabilities of Microchip's code hopping devices.

The Keeloq Evaluation Kit demonstrates the capabilities of Microchip Technology's code hopping technology. The Keeloq Code Hopping Encoder devices are designed to be the transmitter portion. The Keeloq Decoder devices are used in the receiver portion of secure RKE* systems. The devices use the Keeloq code hopping algorithm, which combines high security, a small package outline, and a very low cost to make this an ideal solution for unidirectional RKE systems.

Primary applications for the KeeLoQ devices include automobile keyless entry and security systems, garage door openers, home security systems, central locking systems, gate openers, vehicle immobilizers, identity tokens, and a growing list of other applications.

The Keeloo Evaluation Kit includes all the necessary hardware to evaluate a code hopping system, as well as a basic demonstration software program, which is supplied on a PC-compatible 3.5-inch diskette.

*Remote Keyless Entry

Features:

- Transmit hopping code messages using KeeLoo encoders
- Display the fixed and changing parts of hopping code messages on a PC
- Receive and decode hopping code transmissions using a PIC16C56/93C46 decoder or HCS512 decoder
- Learn new encoders onto the HCS512 decoders or PIC16C56/93C46 EEPROM-based decoder
- Program KeeLoo encoders
- · Comprehensive User's Guide
- Schematics for transmitter and receiver
- Supports HCS200, HCS300, HCS301, HCS360, and HCS361 encoders
- License disk containing source code and application notes describing a software decoder.



KEELOQ® Evaluation Kit

Ordering Information:

Model Name:

KeeLoo Evaluation Kit

Ordering Part Number:

DM303002

Devices Supported:

HCS200 Encoder

HCS300 Encoder

HCS301 Encoder

HCS360 Encoder

HCS361 Encoder

HCS512 Decoder

PIC16C56 Decoder

Host System Requirements:

PC-compatible computer: 386DX, 486 or Pentium® -based with ISA or EISA bus

Serial Port

New York San Jose

Toronto

EGA, VGA, 8514/A, Hercules graphic card (EGA or higher recommended)

Microsoft® Windows® 3.1 or greater in 386 enhanced mode

4 MB RAM, 4 MB free disk space

3.5-inch diskette drive

Customer Support:

Microchip maintains a worldwide network of distributors, representatives, local sales offices, Field Application Engineers, and Corporate Application Engineers. Microchip's Internet home page can be reached at: www.microchip.com

(631) 273-5305

(408) 436-7950

(905) 673-0699

Systems Description:

- HCS512 and PIC16C56/93C46 EEPROM-based decoders
- RF Receiver module
- On-board +5V regulator and filtered rectifier for direct input from 9V AC/DC wall adapter
- Two radio frequency transmitters using HCS300 hopping code encoders
- RS-232 socket and associated hardware for direct connection to RS-232 interface
- Six bright LEDs connected to decoder outputs
- Supports HCS200, HCS300, HCS301, HCS360, and HCS361 samples

Also includes all necessary software to program transmitters and to display codes or messages.

To order or obtain more information about Keeloo or any other Microchip product, contact the Microchip sales office nearest you.

Development Tools from Microchip					
MPLAB® IDE	Integrated Development Environment				
MPASM™ Assembler	Universal PICmicro macro-assembler				
MPLINK™ Object Linker	Linker				
MPLIB™ Object Librarian	Librarian				
MPLAB® C17	C compiler for PIC17CXXX MCUs				
MPLAB® C18	C compiler for PIC18CXXX MCUs				
C compilers	Sold by third-party vendors (HI-TECH, IAR, CCS)				
MPLAB® SIM	Software Simulator				
MPLAB® ICD	In-circuit Debugger				
ICEPIC™ Emulator	Low-cost in-circuit emulator				
MPLAB® ICE 2000	Full-featured modular in-circuit emulator				
PICSTART® Plus	Entry-level development kit with programmer				
PRO MATE® II	Full-featured, modular device programmer				
KeeLog® Evaluation Kit	Encoder/Decoder evaluator				
KEELog® Transponder Evaluation Kit	Transmitter/Transponder evaluator				
microID™ Developer's Kit	125 kHz and 13.56 MHz RFID development tools				
MCP2510 CAN Developer's Klt	MCP2510 CAN evaluation/development tool				
MXDEV™ 1 Analog Evaluation System	Evaluation kit for MCP devices				

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