

KEY12 Internal Iambic Keyer

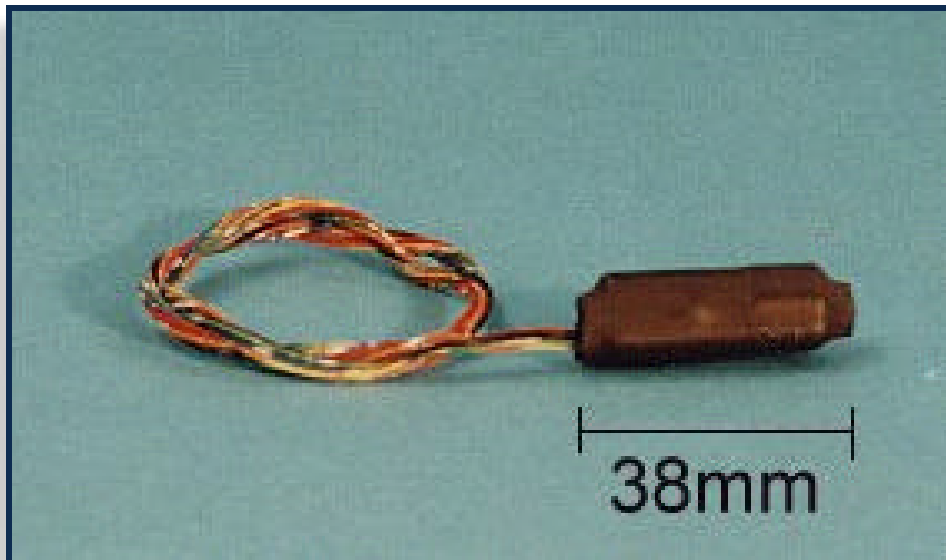
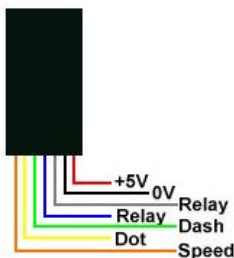
Features

- Small size, 38mm x 12mm dia.
- Fits inside most transceivers
- Relay switched output
- Requires 5V supply, stereo key jack and one external pushbutton for speed adjustment
- Non-volatile memory retains speed settings
- Processor shuts down when not sending to avoid interference

Applications

- Installation in existing transceivers
- Can be built into convenient case as a stand-alone unit
- Ideal for incorporation into homebrew equipment

Wiring



FEATURES

The Cape Key12 is based on the PIC16CE518 microcontroller. It features relay switched output, single pushbutton control and retention of last speed setting in non-volatile memory. The microcontroller is shut down between periods of transmission to ensure no interference is caused to the receiver, and the relay switched output removes problems sometimes caused by interfacing transistor switching modules into existing equipment. The module is very compact at only 38mm x 12mm diameter, allowing it to be fitted inside many commercial transceivers. Speed control is achieved with one external pushbutton and the left and right paddles. Dash-dot completion adds to the comfortable sending capabilities, and installation in existing transceivers is very straightforward, requiring seven connections and a clean 5V supply.

Specifications for KEY12 Iambic Keyer Module

Output	Normally open contacts rated at 0.5A @ 100V AC / 12V DC
Power Supply	5V DC @ 20mA nominal
Connections	Flying lead (see diagram)

Specifications are subject to constant improvement and may be subject to change without notification.

Cape Electronics

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