

Interfacing

Ham Radio KITS in Washington Island BOOKS

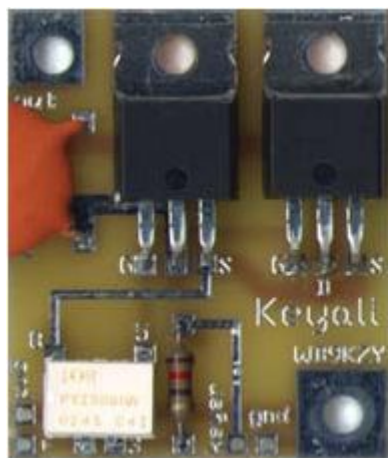
The Keyall kit

An excellent alternative to a mechanical relay is the "Keyall" kit from Chuck Olson at Jackson Harbor Press. I believe Andy, W8NCZ is making a pre-assembled plug-'n-play version (see at this address).

<http://wb9kzy.com/keyall.htm>

The Keyall is optically isolated and uses a pair of high-voltage/current MOSFETs for switching the amplifier key line, including the 30L-1. The MOSFETs can safely switch 500V AC/DC amp key lines at 2.5A. Through the TS-590 menu, +12V is output on the key line as Jerry stated and the Keyall becomes self-powered from the TS-590. The TS-590's key line is then operating only into an isolated photo-diode.

Advantages of the Keyall over other commercial amp buffer units: 1) self-powered, 2) completely silent, 3) accommodates both DC polarities and AC amp key lines without internal modification.



The Keyall kit allows the owner of a keyer with a low voltage positive (NPN or n-channel MOSFET) keying transistor to drive the vacuum tube transmitters and transceivers of yesteryear. This unit will key negative voltage rigs (grid block keying) or positive voltage rigs (cathode keyed tube transmitters and conventional +13.8V powered solid state rigs). The output transistors and capacitor are rated at 500 V and 2.5 A (2500 mA).

The Keyall kit is a replacement for the previous Grid Block keying adapter kit.

Note that the Keyall kit has been used for **high power external amplifier keying** by Gary, KD9SV.

<http://www.radiobooks.com/products/svkr.htm>

Note that the PVI (white rectangle in the picture) now has a black color.

Also note that the board plating appears corroded, however it should not affect soldering.

An OM reported that his Eico 723 would not key correctly until he had removed the .01 uF cap.

design is a MOSFET based solid state relay high voltage output is optically isolated from the low voltage input kit includes a circuit board and all board mounted components just add your enclosure, in/out jacks and a battery holder.

Size is 1.25 x 1.5 inches - fits into a candy tin with room to spare

Price (no printed documentation) is \$14.00 plus \$3.00 shipping/handling in USA

Add \$4 to above price for Worldwide (DX) orders

Note: the following documents for this kit (manual, schematic, and hookup diagram) are in this booklet.

Kit Order Form / Price List

Charles Olson

1418 Foss Road

Washington Island, WI 54246

Please make checks / money orders Payable to: Charles Olson - send with this form to address above.

Please note that none of the kits or chips comes with documentation.