

# The KWM-2/2A ON/OFF switch

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By F6HOY – CCAE# 003



Switch ON/OFF – Collins KWM2 - [www.ccae.info](http://www.ccae.info)

The KWM-2 ON/OFF switch is often damaged. With one of my KWM-2's, the wafer had even disappeared and a clip was used to make a permanent contact.



The remedies:

- 1/ Buy a new Collins switch (about 45€ or even more, a bit expensive).
- 2/ Jumper the two contacts in the KWM-2. It will now start when the power supply is plugged into the main supply (not very nice).
- 3/ Add a new switch on the KWM-2 front or rear panel (not very neat with this hole which degrades what was a nice looking piece of equipment).
- 4/ Adapt a magnet and reed relay or add a snap action switch and some tongue on the existing wafer (a bit complicated).
- 5/ Find another solution. This is what I did for a few cents.

F6HOY solution :

- 1/ Get a potentiometer (any value will do) with rotary switch. Find it in your junk box or get it at your local flea market. This is also available from all main resellers (Mouser, Farnell, RS, ...).

The rotary switch must support 220v 3A. The power supply 516F-2 and PM-2 have the 220v connected directly on the KWM-2 switch. MP-1 and 516E-1 and 516E-2 have a relay than prevent also damage of our ON/OFF switch.



- 2/ Get a shaft coupler. Look again in your junk box or go to your local flea market. You can also get it from the main component resellers



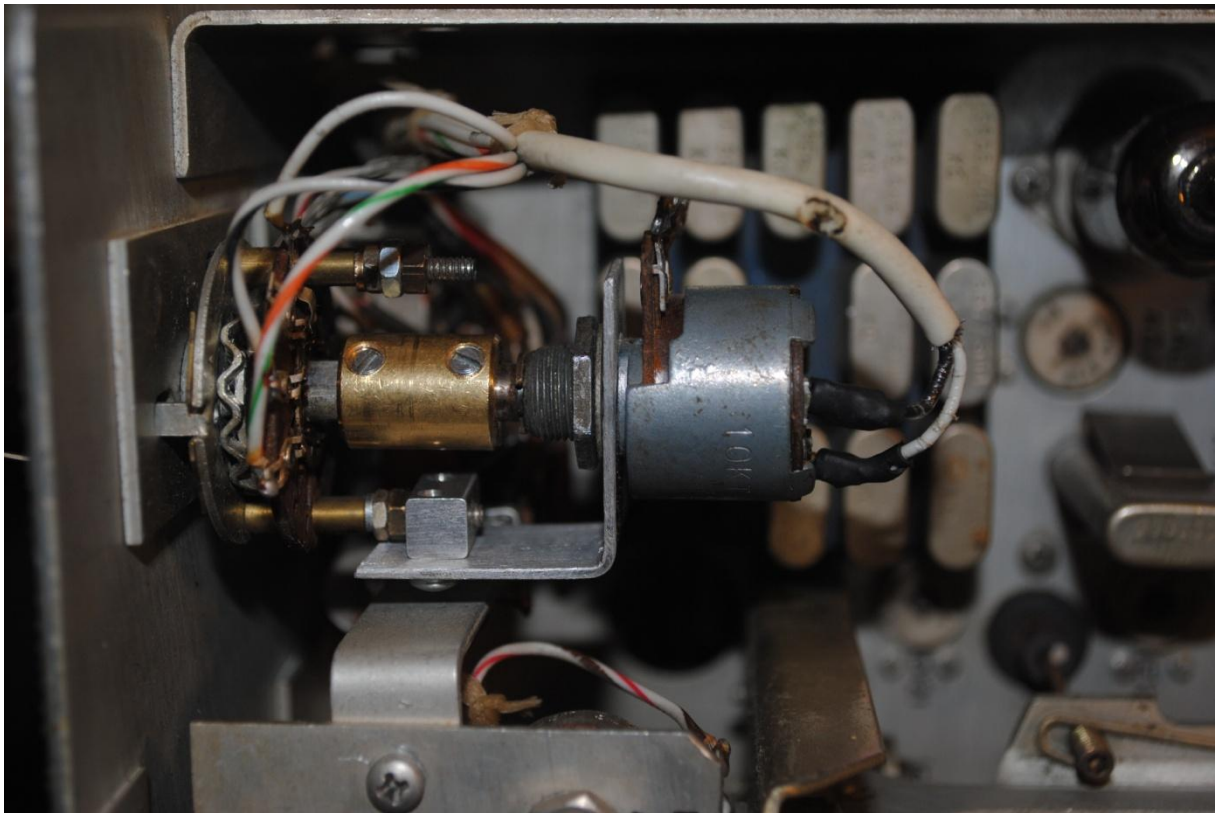
(for example, 1.30€ at Reichelt).

Depending on what you get, you might have to slightly enlarge the bore to fit the KWM-2 and potentiometer shafts (usually 6mm or 1/4" diameter).



3/ Cut and drill a small piece of aluminium plate to receive the potentiometer and attach to the KWM-2 contactor studs. The plate is bent in a U or L shape.

4/ Solder the KWM-2 ON/OFF wires to the potentiometer switch lugs. Do not forget to sleeve them with short length of heat shrink tubings.



Et voilà, it works !

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With help and support from Alain (F1LAG) and SWL Lucien (FE80069).



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