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# Assembly manual Kit Compressor DOD280®

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Thank you for purchasing a kit from our home. The kit has been compiled with all diligence for you and tested. However, should any deficiencies occur with respect to the quality or errors in the description, we would ask you to inform us of this mailto: (technik@uk-electronic.de)

### Please download the manual at the store. Thank you!

## Some connection of important parts



#### **Bill of material**

Quantity	Description Resistor
1	Resistor 2K2 (red/red/black/brown/brown)
1	Resistor 4K7 (vellow/violet/black/brown/brown)
1	Resistor 10K (brown/black/black/red/brown)
3	Resistor 22K (red/red/black/red/brown)
2	Resistor 100K (brown/black/black/orange/braun)
2	Resistor 220K (red/red/black/orange/brown)
1	Resistor 470K (vellow/violet/black/orange/brown)
2	Resistor 1M (brown/black/black/yellow/brown)
	Capacitor
1	Foil cap MKT $10nF = 0.01\mu F$
4	Foil cap MKT $47nF = 0.047\mu F$
1	Electrolytic cap RASM 10µF/25V
2	Electrolytic Cap RASM 47µF/16V
	Dioden
1	LED Low current red
1	Diode 1N4001 (cathode line)
1	Optocoupler Vactec VTL5C2
	Semiconductor
1	OPV LM358 DIP8
2	NPN Transistor BC549B
1	Potentiometer
1	Potentiometer 100K A (logarithmic) - Level
1	Totentionieter Tool A (logarithmic) - Lever
1	Mechanic
1	Audio jock 1/4" Storeo
1	Audio jack 1/4 Steleo
1	Audio jack 74 Miolio
1	DC jack isolated 2 1/5 5mm
1	Battery connector
1	LED hezel for 3mm chrome
1	Some coloured wire 0 14mm <sup>2</sup>
1	IC- socket 8-pole
2	Self adhesive spacer 4 8mm
-	Son adhosive spacer r,onnin



Example: Resistor MF207 10K 1% Value: 10000 Ohm = 10KOhm 1 0 0 2x0 1%

> Breaking nose at the potentiometer Nase am Poti mit einer Flachzange abbrechen



#### Picture of the pcb (top/bottom)



#### Assembly the pcb

First you should start with the lowest components to assemble, ie the resistors, diodes, capacitors and finally the socket for the circuits. After the last of the optocoupler and transistors. When the socket solder should also pay attention to the notch, so that not after the circuit is incorrectly inserted oppositely. Clean work, especially the execution of the solder joints should have top priority to generally be eliminated in order to save yourself later troubleshooting from the outset assembly and solder defects..

#### placement



#### Wiring diagram



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The input jack should already before the insertion wiring, but there is something close to a 1590B enclosure.



The total wiring is then as shown in the wiring diagram. Is attached to the circuit board. Using the supplied two 4.8 mm self-adhesive spacer on top of the back of the potentiometer The printed circuit board is plugged in to the components on it, upwardly. Through the use of components with max. 7mm height, there are no problems with the height of the enclosure.



The nipples of the potentiometers, you simply break it off with a small flat nose pliers! See also picture in the top part!

The wiring diagram is located in Appendix enlarged for printing available!

For the enclosure is use a size like 1590B.

#### The following drill diameter should be used:

Potentiometer: 7mm Jacks: 9mm 3PDT switch: 12mm DC jack: 12mm LED bezel: 6mm

If clean up and properly wired, the effects device should work immediately. For any questions we are always available.







