

Combitron 94.006

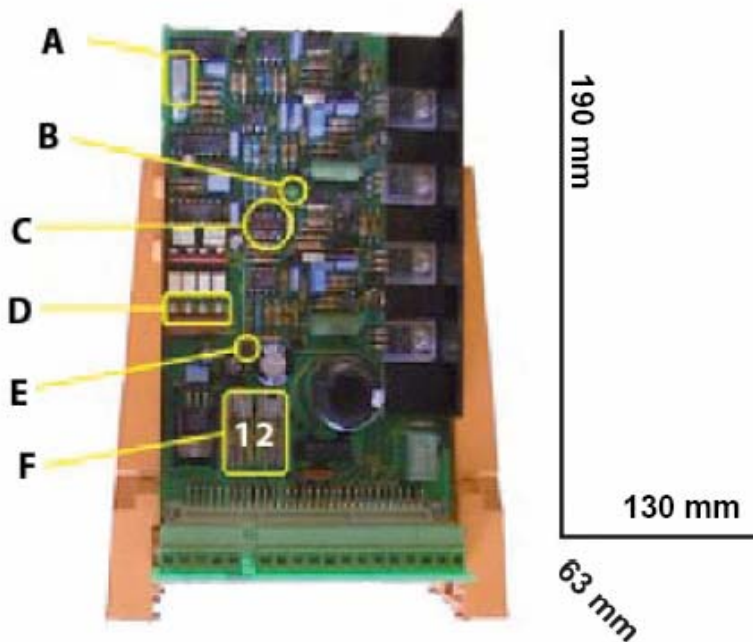


The Combitron (cod. 00.94.006-0004) is a supply unit for clutch/brake combination Combibox and generally for Combinorm magnets. Main feature is the current control of the 24VDC supply of the magnets this way, thanks to the constant magnetic flux, the operation of the magnets is not altered by power losses on the main supply, by the cable length or by temperature changes thus a repetitive stop is guaranteed.

Once the over current pulse is given the nominal voltage is 24VDC.

The board is shipped with carrier board, with slidein guides and connector DIN 41612.

- A Brake delay trimmer
- B Green led - clutch on
- C Combibox/Combinorm size selection Dip switch
- D Digital inputs status leds
- E Red led - brake on
- F Fuses 1=250V - 1A, 2=250V - 2A



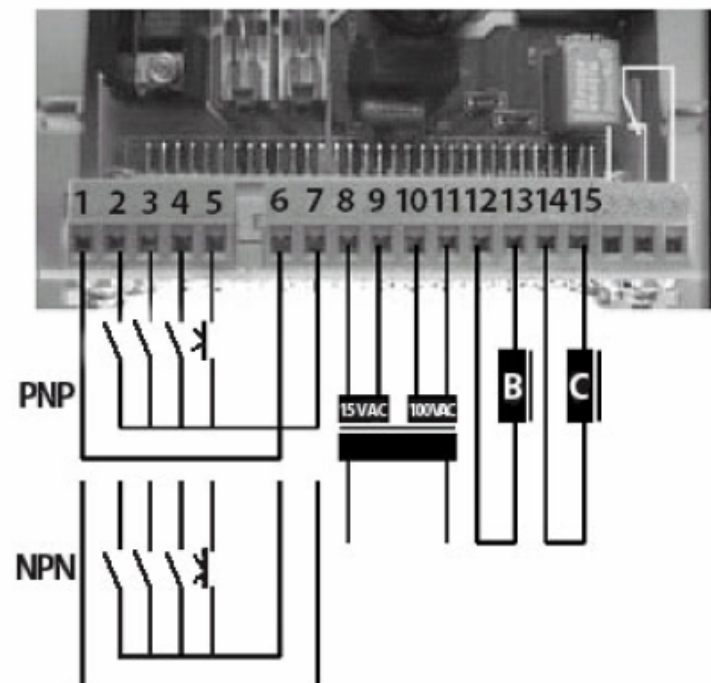
Technical features and connections

The board has to be supplied with a transformer (cod. 00.94.006-0100) with double output 15VAC/100VAC 200VA, the input of the transformer can be selected from the following voltages: 230/400/460VAC.

Digital inputs can be used static and edge triggered and can be with connected with NPN or PNP 24VDC logic. With dip switch C is possible to select the Combibox/Combinorm size (see table below).

size 06 – 15 Watt	size 07 – 20 Watt	size 08 – 28 Watt	size 09 – 35 Watt	size 10 – 50 Watt
on 1 2 3 4 off <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	on 1 2 3 4 off <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	on 1 2 3 4 off <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	on 1 2 3 4 off <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	on 1 2 3 4 off <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>

By turning the brake delay trimmer A is possible, once the brake on command is given via digital input, to select a delay for the engaging of the brake from 0 to 1 sec. Standard setting is 0 sec. It is also available a relay output (terminals 16-17-18) that changes its status at same time the brake magnet is engaged.



Term	Name	Discription
1	COM	Common for digital inputs
2	CL ON	Edge triggered digital input clutch on
3	BR ON	Edge triggered digital input brake on
4	BR OFF	Static digital input brake off
5	BR/CL	Static digital input for alternate clutch on / brake on Open: Brake ON - Closed: Clutch ON
6	GND	Ground for digital inputs
7	24VDC	24VDC supply for digital inputs
8	15VAC	15VAC supply from transformer
9	15VAC	15VAC supply from transformer
10	100VAC	100VAC supply from transformer
11	100VAC	100VAC supply from transformer
12	BR -	Brake supply negative
13	BR +	Brake supply positive
14	CL -	Clutch supply negative
15	CL +	Clutch supply positive
16	NA	Relay output normally open
17	NC	Relay output normally closed
18	COM	Relay output common

IMPORTANT! TERMINAL 6 MUST NOT BE EARTHED!

- IMPORTANT -

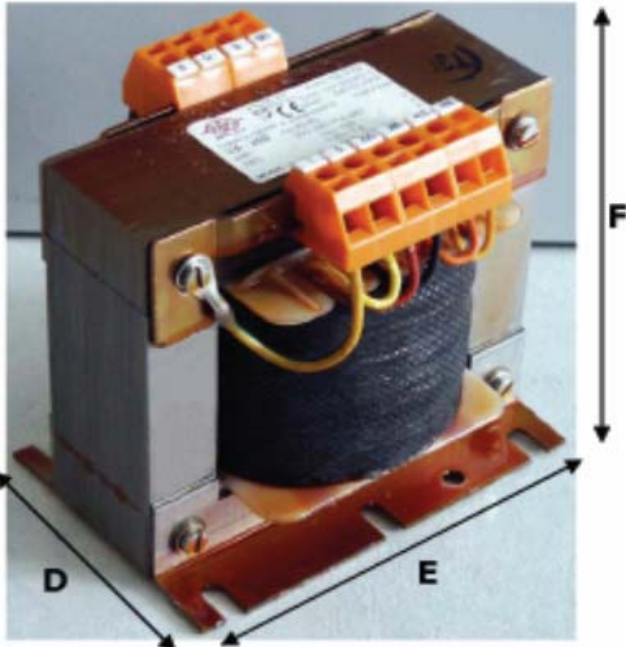
Terminal 6 must not be earthed!

Dip switch must be adjusted to the right size of Combibox:

Switch no.:	1	2	3	4
Combibox size 06	on	off	off	off
Combibox size 07	off	on	off	off
Combibox size 08	off	off	on	off
Combibox size 09	off	off	off	on
Combibox size 10	off	off	off	off

Please note that both Combibox and Combiron may break down in case of wrong adjustment or by earth connection of terminal 6.

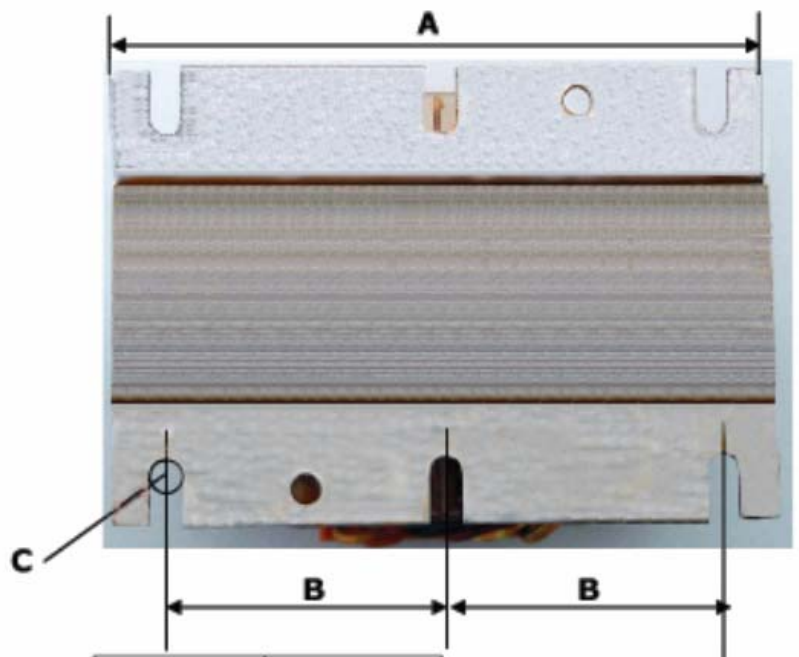
Dimensions



measure D	83 mm
measure E	120 mm
measure F	110 mm

Transformer Rectifier COMBITRON

Mounting dimensions:



measure A	120 mm
measure B	50 mm
measure C	Ø 6 mm