



Kit CPT TAC3

F Manuel d'installation
NL Installatie handleiding
GB Installation manual

(v.01/2008)



Attention: Le CBr boîtier ne peut être ouvert que par du personnel qualifié (danger de contact avec des éléments sous tension 230Vac).

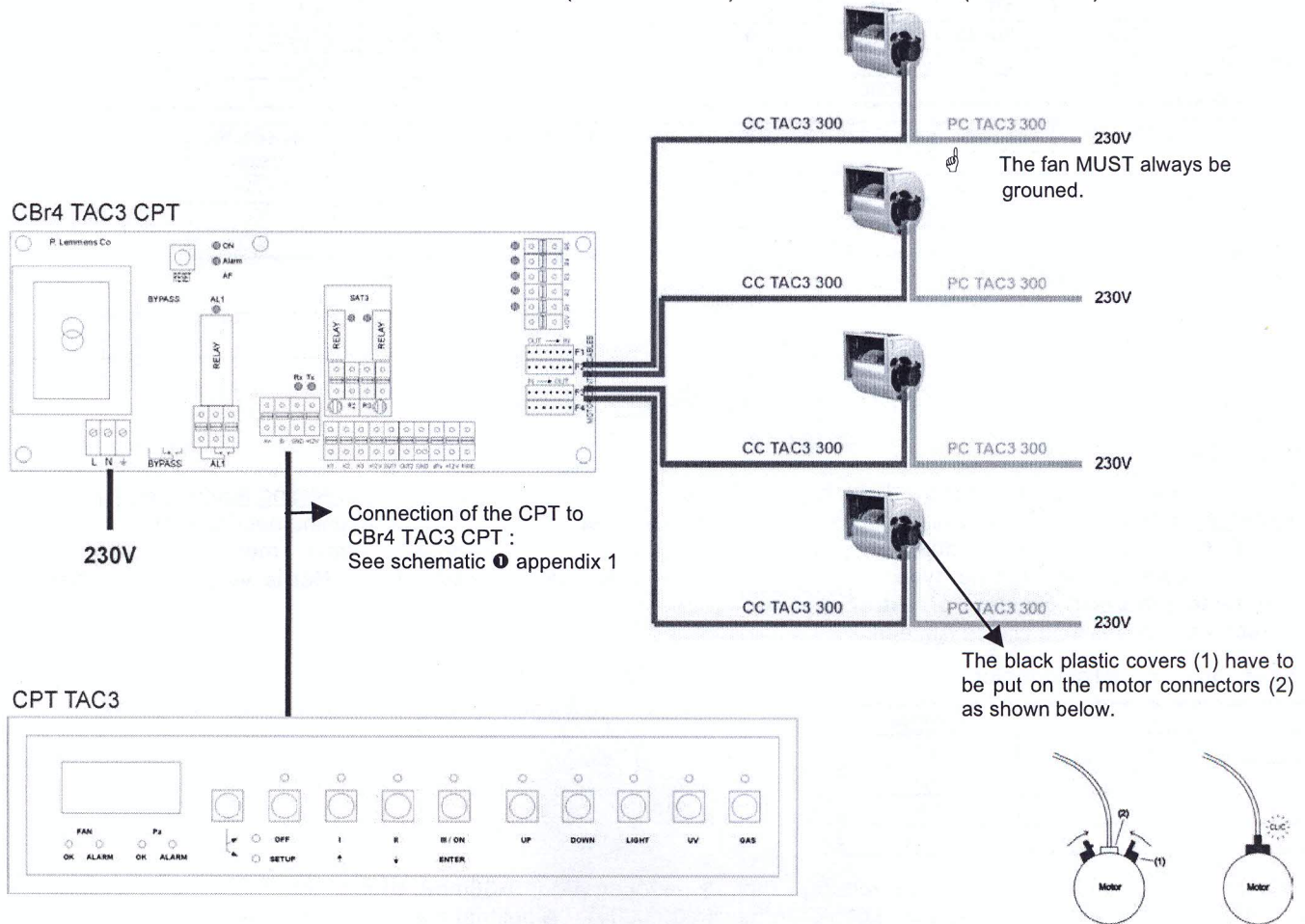
Opgelet: De CBr doos mag enkel door gekwalificeerde personen geopend worden (sommige elementen staan onder 230Vac spanning en mogen niet aangeraakt worden).

Caution: The CBr can only be accessed to by a qualified personel (access to live - 230Vac - components).

1) Principle of wiring

Attention: This wiring schematic is for TAC fans only. For pTAC fans please consult appendix 2.

The CPT TAC3 kit is made of one CBr4 TAC3 CPT (remote control) and one CPT TAC3 (main board).



2) Selecting the master

2 possible configurations (see wiring schematics ❷ appendix 1):

1) The CBr4 (main board) is master : contact between terminals IN1 and +12Vdc on the CBr4 TAC3 CPT is closed. The entries on the CBr4 TAC3 CPT are active to actually control fans.

The CPT allows:

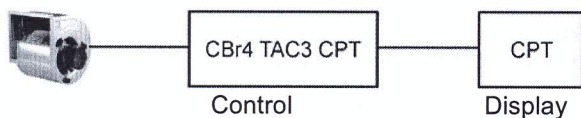
- to set up,
- to show all the parameters via the display and the LEDs,
- to control 5 external relays (via the 5 relay control knobs, knobs OFF / I / II / III are inactive).

2) The CPT (remote control) is master: contact between terminals IN1 and +12Vdc on the CBr4 TAC3 CPT is open. The CBr4 TAC3 CPT is passive. In this case it is used only as a connection between the CPT and the fans.

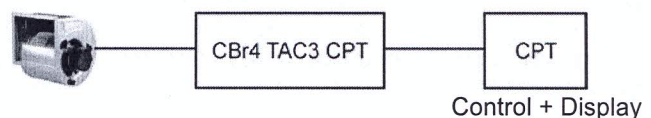
The CPT allows :

- to configure,
- to show all the parameters via the display and the LEDs,
- to control the fans with knobs OFF / I / II / III,
- to control the 5 external relays via knobs UP / DOWN / LIGHT / UV / GAS.

CBr4 master



CPT master



Type 5: Data error in control circuit alarm

To solve this type of error you need to make a total reset with the advanced setup feature.
 If this does not solve the error, the circuit has to sent back for a factory reprogramming.
 See 5 in table below

Type 6: Fire alarm contact (connected to external fire alarm system)

See 6 in table below

Type 7: maintenance alarm. It can be configured in 2 steps (via the advanced setup):

SERVICE ALARM: this alarm indicates that the fan operation time reached the limit set in the configuration.
 This alarm does not generate a fan stop.
 VEN.STOP SERVICE: alarm indicates that the fan operation time reached the limit set in the configuration.
 This alarm generates a fan stop.
 See 7 in table below.

Type 8: Communication alarm between CBr4 and CPT.

See 8 in table below.

Type	Displayed text (1)	Actions on the CPT			Actions on the CBr4			Action on fans
		LED ALARM	LED Pa	Buzzer	LED ALARM	AL1 Relay	SAT3 R2 relay	
1	ALARM VENTx	Red	/	ON	ON	Alarm status	/	/
2	PRESSURE ALARM	/	Red	ON	ON	/	Dicht	/ (2)
3	Pa INIT ALARM	Red	/	ON	ON	Alarm status	/	Stop
4	CA, LS of CP ALARM	Red	/	ON	ON	Alarm status	/	/
5	DATA ERROR	Red	/	ON	ON	Alarm status	/	Stop
6	FIRE ALARM	Red	/	ON	ON	Alarm status	/	Stop (3)
7	ALARM SERVICE	Red	/	ON	ON	Alarm status	/	/
	FAN.STOP SERVICE	Red	/	ON	ON	/	/	Stop
8	COM ERROR	Red	/	ON	Blink	Alarm status	/	Stop

/ = no action taken for this type of alarm

(1) Explicit text explaining the alarm is displayed on LCD in several successive screens
 For complete details see our technical documentation on our site www.lemmens.com.

(2) Fans can be stopped if configured via the advanced setup. You can configure to stop F1/F2 or F3/F4 or F1/F2/F3/F4.
 If only 2 fans are stopped on the 4 then the 2 others will go to the set airflow value configured via the advanced setup.

(3) When one set of fan is stopped (F1/2 or F3/4), the other set can be programmed to deliver a specific airflow

Wiring diagram: see schematic ③.2 in appendix 1.

9) Controlling external relays

Control of the external relays is made by means of 5 knobs UP / DOWN / LIGHT / UV / GAS on CPT.

Wiring diagram ; see drawing ③.3 in appendix 1.