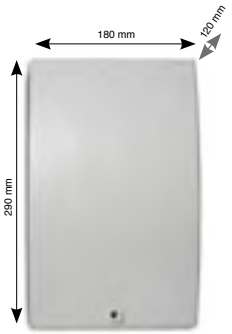
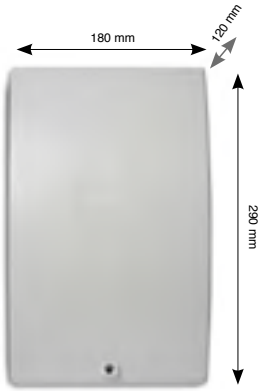
DUCATI HOME automation

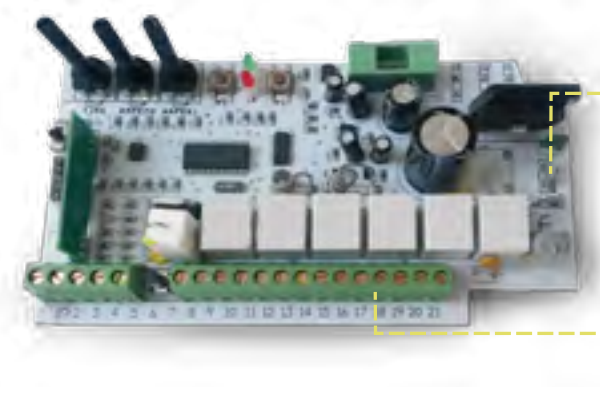
CTH42
Electronic board



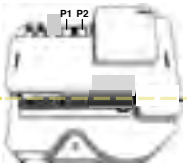
7855
Complete Large size control box with CTH42



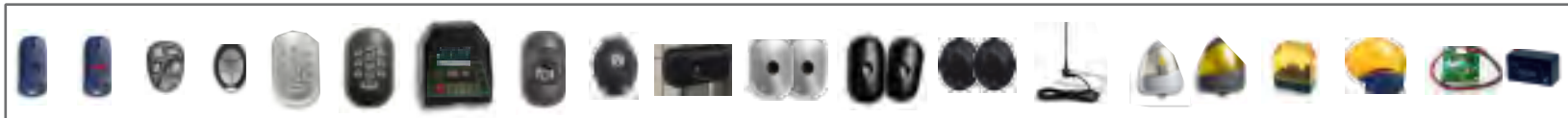
TECHNNICAL DATA	CTH42
Power supply (on demand)	230V (110V on demand)
Use on 1 or 2 wings gate	√
Protection fuse	√ 10AF
Transformer protection fuse	0,8A T (1,2A T)
Toroidal transformer's Watt	105W
Output services	12V
Power consumption in stand-by	22 mA
Radio receiver (channel)	2 channels
Remote control storage capacity	10
Radio transmission protocol	DUCATI rolling code 433MHz
Remote control automatic learning	√
On board Antenna	√
External antenna input	√
Automatic close function (timerized)	0-100 sec.
Anti-pressure safety system	√
Motor power adjustment	√
Timerized Courtesy light contact	√
Output for elecktrolock	12V dc
Safety beam/ Photocells input	√
Full cycle START (NO contact)	√
Pedestrian cycle START (NO contact)	√
Flashing light output	12V max 10W
Output to optional battery charger module(CMBAT)	√
LED indication of Power supply	√
Gear anti-pressure system	√



C/M/BAT
optional additional battery charger module



Compatibles accessories



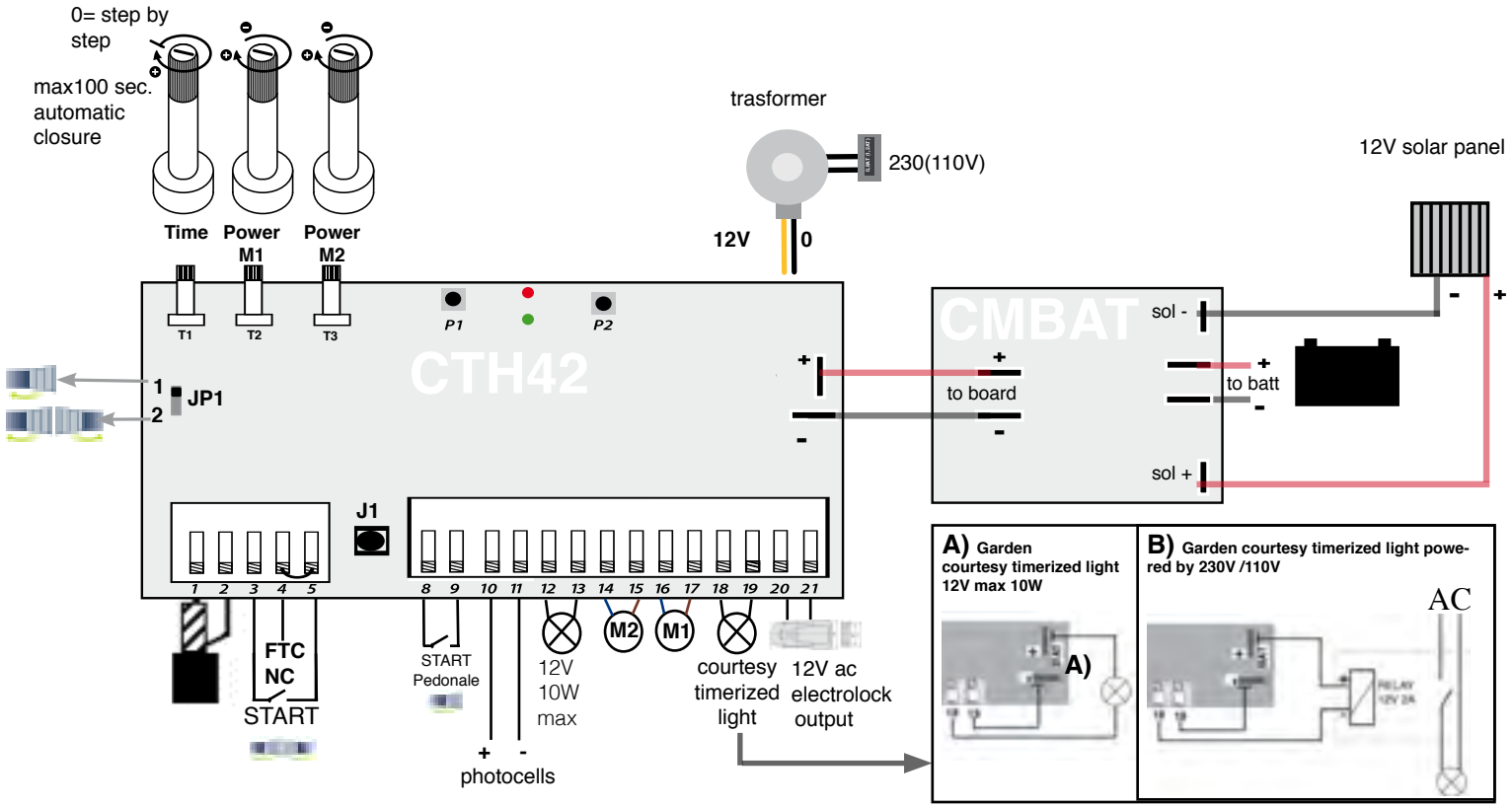
Pult 6203R | Pult 6203P | Pult 6204 | Pult 6206 | Tasty 6700 6704 | SW 6500 6504 | Rixy 6040 6043 | KEY 5000 | KEY 5001 | E-LOCK 1012+ booster | LASER 7012 | SW7012 | LASER 100 | STILO 6023 6025 | FLASH 7712 | FLASH 7512 | HC 7500/12 7512 | KB 900KB 900 | CMBAT** | BAT 1012

Connections and adjustments:
ATTENTION ! all settings have to be made with gate in closed position

CONNECTORS:

1/2 antenna / sock
3/5 START contact NO full opening cycle
4 photocells NC contact
5 common (photocells & START)
8/9 START contact NO for pedestrian opening cycle
10 + power photocell positive
11 - power photocell negative
12/13 12V 10W max. blinking light
14 M2 actuator blue cable
15 M2 actuator brown cable
16 M1 actuator blue cable
17 M1 actuator brown cable
18/19 output for garden/courtesy light
(contact NO/NC max 0,5A) use a relay if ac
20/2112V ac electrolock output
protection fuse 10AF
Connectors (BAT+/-) to battery charger module CBAT
Transformer imput: 0= black cable + 2V yellow cable

The phase shift in between gate wings is automatically set.
M2 follows M1 in opening after about 3 sec. and vice versa during closing.
Photocells bridge: between connectors 4/5
Remove the bridge only when connecting the photo-cells.
Red LED:
- indicate the procedure to memorize/delete remote ontrols codes
- while gate is open: it blinks if the automatic closure has been activated
Green LED:- if steady on = the board is powered



PUSH BUTTONS P1; P2; J1

P1 = **FULL CYCLE** push button to store or cancel the radio transmitters codes on the electronic board. This button is used to set complete opening cycles. Red LED visual indicator.

J1 = **PEDESTRIAN ACCESS** push button to store or cancel the radio transmitters codes on the electronic board. This button is used to set pedestrian opening cycles (partially activates only the door corresponding to the motor M1 only). Visual indicator: red LED visual indicator.+ yellow LED, then only red LED.

P2 =deactivate/activate the Gear anti-pressure system (with the anti-pressure-system activated the gate reaches the mechanical limit it will invert the direction for 0,25sec to release pressure on wing inghes and ac-tuator's gear). This function is automatically set in the board. To delete this feature, proceed as follows: press P1 for 1 second. the red LED lights. Press P2 for a second. function deactivated. To restore the function, repeat the procedure.

JP1 SWITCH

JP1 switched on position 1= 1 wing gate use
JP1 switched on position 2= 1 wing gate use

HOW TO MEMORIZE/ DELETE REMOTE CONTROL CODE IN THE ELECTRONIC BOARD (see also remote control chapter)

Remote controls setting: to syncronize a remote control channel:
On the main board Press P1 to memorize a remote control Channel for compleete opening cycle. Release P1.As the red LED turns on, push the selected radio remote control button. After the red LED blinks, wait until the red LED turns off. Operation completed.Maximal storage capacity: 10 channels
To delete the stored channels press P1 for about 30 sec. until the red LED turns off.
All remote control codes will be delated.

POTENTIOMETERS

TIME= potentiometer to set the "step by step" mode of use or automatic closure
The potentiometer completely turned counterclockwise(position = 0) to use the standard setting "step by step" mode of use. with this setting a pulse controls the opening and a second impulse closes the gate. By rotating the potentiometer clockwise, you will set the automatic closure function.Turning the knob in-creases the time. Maximum pause time = 100 seconds with potentiometer fully clockwise.

POWER M1: actuator M1 power /obstacle detection sensitivity adjustment
POWER M2: actuator M2 power /obstacle detection sensitivity adjustment

Turn the potentiometer clockwise to increase power and reduce obstacle detection sensitivity