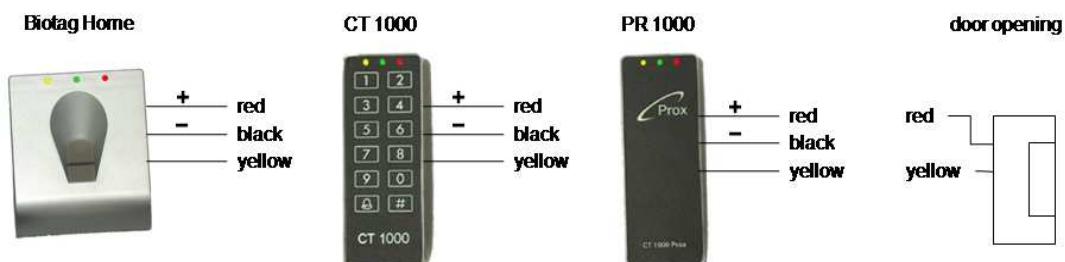


Manual DOM Pincode Keypad

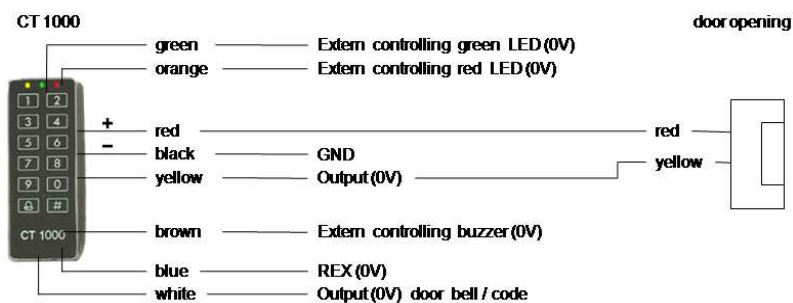
Connections/ wiring chart



8 core wire

wire color	Biotag Home	CT 1000	PR 1000	Description
red	+ 12 V DC	+ 12 V DC	+ 12 V DC	door opening
black	0 V, GND	0 V, GND	0 V, GND	door opening
yellow	OC Output 0 V	OC Output 0 V	OC Output 0 V	door opening
green	---	Extern contr green LED	Sabotage loop	option
white	---	Output (for bell/code)	Sabotage loop	option
brown	Extern contr buzzer (0V)	Extern contr buzzer	Extern contr buzzer	option
orange	Extern contr red LED (0V)	Extern contr red LED	Extern contr red LED	option
blue	----	REX. (0 V)	REX. (0 V)	option

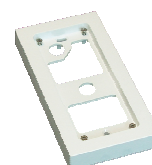
Options



CT 1000 is a flexible Keypad for applications in very different fields: At normal work the yellow LED is lit (the left one). Activation by a confirmed Code (code followed by #), the yellow and the green LED are lit for the activation time. If not confirmed ... the red LED is lit shortly. There is a buzzer integrated also for indication, either confirmed/not confirmed Code (2 different sounds). Additional the buzzer can be activated directly by GND on the brown wire. At 4 wrong Codes, the Keypad is bloked for 1 minut (red LED flashing)



Stainless steel plate



Frame for montage

The Keypad can be mounted directly on a wall/wood/etc, or by the Plate or the Frame.

The Codes are stored in the positions from 1 til 28. At delivery the code 1234 is programmed into pos 1. The Mastercode (MC) is default 4711.

Codes can be programmed/changed or deleted by the Mastercode (MC):

Codes – overview - CT1000

Pos	Code	Name	Pos	Code	Name
1	1234		15		
2			16		
3			17		
4			18		
5			19		
6			20		
7			21		
8			22		
9			23		
10			24		
11			25		
12			26		
13			27		
14			28		

Programming The Codes:

1: Key in the MC# (Gren LED is lit)

2: Key in the Pos nr #, (from 1 to 28)

3: Key in the Code # (from 1 to 8 digits)

For more codes repeat from 2: etc.

Change the Codes:

Follow the above – it is just to overwrite the Codes.

Delete the Codes:

Follow the above. Under 3 just key # then the key is deleted.

Delete all Codes:

Key in the MC# 2500# - all usercodes are then deleted.

Exit the programming mode:

Time up is 10 sec. Automatically exit 10 sec after the last key in.

Alternativ key in #.

Examples:

Ex 1: 4711# 2# 345678# followed by # . The Code 345678 is now
activ, placed in pos 2.

Ex 2: 4711# 2# 897 # followed by #. The Code 897 is now
activ, placed in pos 2. The old code is deleted (overwritten).

Ex 3: 4711# 2 # #, The Code is now deleted.

Ex 4: 4711# 2500# - All User Codes is now deleted.

Installing your new CT1000 Keypad

Wire Colour Keypad – Inst	Function	Description	Assamby box Connection nr
Red	+ 12 V DC	Supply, 9 - 17 V/ 100mA	13
Black	0 V, GND	Supply	14
Yellow	OC output, 500 mA. 0V active	Output for door opening, relay, alarm etc.	20
Green	0 V active green LED	Extern controlling	17
White	Output, 500 mA	Output for bell/codes	18
Brown	Buzzer/Hold/lock	Extern controlling, 0V active	19
Orange	0V active red LED	Extern controlling	16
Blue	0V active for REX. REX -time as for impuls	Extern controlling of output (white)	15
From Inst	Supply to the system	AC/DC 12-27 V	7
From Inst	Supply to the system	AC/DC 12-27 V	8
To door	Relay	NC	10
To door	Relay	C	11
To door	Relay	NO	12
To REX	REX buttom	For door opening	5
To REX	REX buttom	For door opening	6
Signal/door.	Buzzer/ Hold	External buzzer/Door contact	9 / 9 und 5

Information in the frame is for using the assembly box in connection to the CT1000

Advanced options in the CT 1000 Keypad:

Generally it is the installer who is setting up the parameters /programming of the Keypad.

For the programming there is the default values for:

Servicecode (SC) 12347890, placed in pos 01.

Mastercode (MC) 4711, placed in pos 00.

Reset:

SC # 0250 # - The Keypad is now back in the factory default.

(Note that the function of the SC depends on conditions, see ***)

Manuel Reset of the CT 1000:

Make a short circuit between the yellow and the brown wire. (It can be done moving the jumper up in the assambly box art 460090) Connect the power. Remove the short circuit. Now the Keypad is back in factory default.

Examples:

Ex 1: SC#, 00#, 47899#, #, - 47899 is now activ as MC.

Ex 2: SC#,01#,151618#, # - 151618 is now activ as SC

Ex 3: SC#, 0250#, # - The Keypad is reset to factory default.

Set up by servicecode (SC):

Generally: The MC is to programm/delete/change the user code.

MC gives access to pos 1 – 28 where the usercode is placed.

SC gives additional access to the following positions

Configuration of the Keypad:

Overview and options by the SC (servicecode):				Programming	
Position	Factory default	Function	Description	Key in SC followed by # etc.	Programmin g
00	4711	Masterkode (MC)		00 #	nnnnnnnn#
01	12347890	Servicekode (SC)		01 #	nnnnnnnn#
02 see *	31	LED settings	Yellow as normal, Yellow, green as activ	02 #	nn # se *
03 see **	5	Output time for the impuls lenght	Output (white), for bell/codes	03#	0=toggle, n in sec
04 see **	5	Output time for the impuls lenght	Output (yellow) for door etc.	04 #	0=toggle, n i sek/min
05 see ***	0	Setting of Functions	Variables for buzzer, hold, SC etc	05 #	nnn # se **
06 see +++	29	Activation of output for bell/codes	Output for bell (29), codes >xx	06#	nn# se +++

*** : Explanation to position 02: LED indication/lighting:** (default = 31)
By choosing the nn (table) the LED lighting for NORMAL and ACTIV (approved code) is as following:

Value in nn	Yellow LED	Green LED	Red LED
NORMAL	01	02	04
ACTIV	10	20	40

Example: Default in pos 02 = 31 (It is 01 + 10 + 20). 01 for Yellow in NORMAL.
10 + 20 for Yellow and Green in ACTIV.

Example1: NORMAL Green. ACTIV Red. It is 02 + 40 = 42
SC# 02# 42#, #. Is working now.

Example 2: NORMAL nothing. ACTIV Yellow. It is 0 + 10 = 10
SC# 02# 10#, #. It is working now.

**** : Explanation to pos 04: Length of output time(from 0 to 100 in sec/101-199 in min, e.g. 104 = 4 min)**

Default 04 = 5 (It is 5 sec.). Impulse length 5 sec.

Example 1: Output activ for 60 sec: (It is 60)

SC# 04# 60#, #. It is working now.
 Example 2: Output activ for 6 min.: (It is 106)
 SC# 04# 106#, #. It is working now.
 Example 3: Output as toggle (on/off) (It is 0)
 SC# 04# 0#, #. It is working now.

**** : Explanation to pos 03: The keypad has 2 outputs.** Output (white) can be activated by bell or codes. See pos 6+++ : In pos 3, the time can be set. 0= toggle, n in sec. Example: 03# = 8, the white output will be active in 8 sec.

***** : Explanation to pos 05: Buzzer, toggle, SC cond, Hold, etc.**
 Default 05=00: It is Buzzer on and all other in off mode.

Value of nn	ON	OFF
Buzzer	0	1
Toggle mode, (for 8 digit codes)	2	0
SC: Power on/off for function.	4	0
Output (yellow) inverted	8	0
Hold function (in 1 min)	16	0
Lock L2H	32	0
Lock H2L	64	0

Add the number for programming
 Example 1: No Buzzer(1), and toggle for 8 digit codes (2).
 Value fro programming 1+2=3
 SC# 05# 3#, # . It is working now.
 Example 2: Buzzer on, Lock H2L on. (The output stops for 0 V active).
 SC# 05# 64#, #
 Example 3: Buzzer on, hold on (within 1 min the output can be activated, 0V active).
 SC# 05# 16#,#. It is working now.

+++ : Explanation to pos 06: Programming from where the (white) output has to be controlled. Default 04 = 29, all codes control the yellow output and the bell controls the white output. There is 28 pos for codes. The first will always control the yellow output. For 06=18, the codes from 1 to 18 controls the yellow output. From pos 19 to 28 will control the white output.

Specifications:

Supply: +9 – 17 V DC, 30 mA
 Output (yellow core): max 500 mA
 Output (white core): max 500 mA
 External controlling buzzer, red and green LED
 External controlling buzzer, hold and lock
 Temperature: -30 to + 80 °C
 Humidity: 100%, IP 67
 Color: Black, optional white.
 Dimension: HxWxT (mm) 130x50x8
 Cable: 8 core, 2,5 m.