

MY HOME - SAFETY BURGLAR ALARM

THE NEWS



Transponder reader



Double technology detector



Burglar Alarm Control Unit with telephone dialling device



SECTION CONTENTS

- 92 General features
- 98 The advantages of new control unit
- 104 Catalogue



MY HOME safety, from professionals

NEWS

The BTicino new burglar alarm is complete and professional in all its functions: control, sensors, commands and alarms.

Combining it in the MY HOME system increases the level of safety thanks to CCTV and sending the alarms by means of the MY HOME portal.



NEW CONTROL UNIT WITH DIALLING DEVICE

Combined telephone dialling device PSTN and later GSM as well



1. ALARM FORWARDING SERVICE



Visual check of the zone where there is an alarm by means of the video handset



Receiving the alarm message by means of SMS, e-mail and voice call

2. REMOTE ASSISTANCE SERVICE *

the installer checks, connecting the system signals to his reserved area in internet



5. EXTENDED GUARANTEE

4 years of guarantee on the system with start up and aftersales assistance supplied by BTicino



3. MANAGEMENT AND MONITORING SERVICE

of the system by means of mobile phone or fixed-line telephone and remote visual check with personal computer



4. TECHNICAL ALARMS

to guarantee the maximum home safety



6. RADIO EXPANSION

can extend the burglar alarm system without making holes in the wall



MY HOME GUIDE PROJECT AND INSTALLATION



THE BURGLAR ALARM is professional in all its functions

Control units to control the burglar-alarm system





NEWS

NEW CONTROL UNIT WITH DIALLING DEVICE

- event memory and combined diagnosis
- self-learning and display of the system configuration
- individual sensor management
- 72 sensors with alarm memory



FLUSH-MOUNTED CONTROL UNIT

36 sensors with alarm memory expandable up to 72 sensors



Volumetric sensors to protect the indoor areas

NEWS



DOUBLE TECHNOLOGY DETECTOR

maximum protection without false alarms.

The only one with double flush-mounting technology



MINI IR DETECTOR

the smallest on the market for maximum discretion in wall-mounting installations



SWIVEL IR DETECTOR



RADIO IR DETECTOR

THE DETECTORS

Perimeter sensors to protect doors and windows



MAGNETIC CONTACTS



WINDOW-BREAKING DETECTOR





CONTACTS



CONTACT **INTERFACE**



IR BARRIERS

maximum safety also when the windows and doors are open





THE BURGLAR ALARM is professional in all its functions

System command for all needs

THE CONTROL



TRANSPONDER KEY READER

- safety guaranteed by the coded transmission and by being totally maintenance free
- two formats: for the home and for the service sector

NEWS



NEW CONTROL UNIT WITH DIALLING DEVICE

all the types of command in a single product: keypad, transponder key and IR remote control

NEWS



RADIO CODED KEYPAD

maximum command flexibility



CONNECTING KEY AND IR REMOTE CONTROL



transponder

ticino

OCH SECURITY

Giving the alarms by means of: audible and optical signals and at a distance via telephone

THE ALARMS





THE ADVANTAGES of the new control unit with dialling device





SELF-LEARNING AND DISPLAY OF THE CONFIGURATION SYSTEM

faster installation and system activation

PROGRAMMABLE BY PERSONAL COMPUTER

to replicate the system configuration easily and save the memory of those already made

EVENT MEMORY AND COMBINED DIAGNOSIS

quick identification of the cause of an alarm and guide in the technical operations

SET UP FOR THE REMOTE ASSISTANCE SERVICE *

diagnosis and maintenance at a distance

GENERAL FEATURES 99



THE BURGLAR ALARM can be installed anywhere

The BTicino burglar alarm features allow maximum installability in all conditions



BUS SYSTEM WITH JUST 2 UNPOLARISED WIRES

all the devices also have pull-out terminals to make wiring easier



INSTALLATION OF THE BUS PAIR IN THE PIPING OF THE 230V MAINS

the burglar alarm bus complies with standard IEC 20-20 and thus can also be installed in boxes and pipings together with the 230V systems



Bus pair

INSTALLATION IN ROOMS SET UP FOR STAR BURGLAR ALARM AND WITHOUT FLUSH-MOUNTING BOXES

- in this case the burglar alarm can be installed because the 2 bus wires adapt to the existing arrangement
- when there are no flushmounting boxes the mini IR sensor and the new control unit with dialling device can be used

INSTALLATION IN ROOMS NOT SET UP

thanks to the use of the radio expansion burglar alarm systems can be made with all the radio sensors



MINI IR DETECTOR

RADIO EXPANSION



6 0.0

a

1 0

2012

NEW CONTROL UNIT WITH DIALLING DEVICE

RADIO IR DETECTOR

COMPATIBILITY and interchangeability

The new control unit with dialling device is totally compatible with the burglar alarm systems already made

REPLACEMENT

Replacing the flush-mounting control unit with the new control unit with dialling device the system continues to work with no need to do anything

DESIGN

The new systems with the new control unit with dialling device



GENERAL FEATURES 101

MY HOME GUIDE PROJECT AND INSTALLATION

ticino

Combinations of the burglar-alarm system

The burglar-alarm system represents the basic infrastructure for alarm management, but the set of applications which can be implemented can easily be enlarged. In fact the burglar-alarm system can be used to check the technical alarms as well, such as the presence of gas, flooding or remote assistance, receiving suitable alarm signals (sound, voice, telephone). Moreover the system can always be expanded using the radio wave technology by which sensors can be installed even when the room is not set up for them.

NOTE: for detailed information and examples of applications of the technical alarms, consult the "My Home Applications Guide".

COMBINATION BY MEANS OF ANALOGUE/DIGITAL INTERFACE

As said above, the BTicino wire burglar alarm can combine sensors to detect technical alarms with sensors to detect intrusions, thus extending the concept of safety.

This application is made available using the auxiliary channel interface (item L/N/NT4615) which converts an analogue signal like that given by the closing of a relay contact into a digital signal to be sent to the burglar alarm BUS. The advantage of this is that just one system can manage what would normally be managed with several dedicated systems, one for each type of technical alarm.

The most common applications are those which manage the gas detection sensors or inform the user that there is a power cut following operation of the main switch, so that he can then reset it even remotely.



COMBINED WIRE-RADIO BURGLAR ALARM

This application is made available using a special interface: the radio receiver (item L/N/NT4620). This has many installation advantages:

- Installation even when not set up
- when a set up for a complete wire system is not available, much of the work on the walls can be avoided by installing just radio sensors.
- Expand already existing wire systems the existing wire system can simply be expanded, perhaps installing magnetic sensors on doors, windows or garage swing doors which previously were not checked.
- Avoid the wiring of sensors in inconvenient places
 rooms can be made safe where the BUS wires can only reach with expensive wiring operations.

- A series of optional functions is also made available:
- Technical alarms by means of two specific sensors the system can check for flooding of the rooms and for the freezer temperature rising, which was not available with just the wire system.
- **Remote assistance** to guarantee tranquillity and a quick response, to help people in difficulty.
- **Command with code** a radio coded keypad can also be combined, so that the system can be switched on and off by means of a secret numeric code typed on the keypad as well as from the IR remote control or transponder.





Control devices

2500			Item Description 3500 It allows a self-learning system and showing the configuration on the display. It can be commanded by the IR remote control, transponder and keypad. Fundamental features are: the independent management of each sensor, which can be programmed even fror a PC, detailed event memory and alarm-only memory, association of a name chosen to zones and sensors, customisation of the alarm messages and a phone book to send alarms. It allows two-way communication between user and systems.
L4600/4	N4600/4	NT4600/4	4-ZONE CONTROL UNIT Control unit for the miniaturised system – switches the system on and off, controls 4 zones, programs up to 30 remote controls, performs the system test and manages the alarms with signals and memory – can set the alarm times and the operation delay of zone 1 – ideal for medium-sized and medium to large apartments.
A5780/4	AM5780/4		Item Series No. of modules L4600/4 LIVING INTERNATIONAL 3 N4600/4 LIGHT 3 NT4600/4 LIGHT TECH 3 A5780/4 MAGIC 3 AM5780/4 MÀTIX 3
4600/1	N4600/1	NT4600/1	SINGLE ZONE CONTROL UNIT Control unit for the miniaturised system – switches the system on and off, controls 1 zone, programs up to 30 remote controls, performs the system te and manages the alarms with signals and memory – can set the alarm time and the operation delay of zone 1 – ideal for small apartments with one or two rooms.
A5780/1	AM5780/1		ItemSeriesNo. of modulesI4600/1LIVING INTERNATIONAL2N4600/1LIGHT2NT4600/1LIGHT TECH2A5780/1MAGIC2AM5780/1MÀTIX2Note:Do not install in the same box with the zone subdivider 1-4.
4603/4	N4603/4	NT4603/4	ZONE SUBDIVIDER 1-4 Receiver to switch the system on and off by means of the remote control – pushbuttons to control 4 zones – signals the state of the zones and the system by leds – can disable the light and sound signals – can be coupled t the single-zone control unit to extend the system from 1 to 4 zones. Item Series No. of modules
A5783/4	AM5783/4		L4603/4 LIVING INTERNATIONAL 2 N4603/4 LIGHT 2 NT4603/4 LIGHT TECH 2 A5783/4 MAGIC 2 AM5783/4 MÀTIX 2 Note: Do not install in the same box with the single zone control unit. 2

Control devices

			EXPANDER ZONES 5-8
L4603/8	N4603/8	NT4603/8	Module to extend the zones which can be zones 5 - 8 - leds signal the state of the zo - can be coupled to the 4-zone control unit + divider zones 1 - 4 to extend the system
,	,		Item Series
collinear films	and income the set		L4603/8 LIVING INTERNATIONAL
			N4603/8 LIGHT NT4603/8 LIGHT TECH
· ·	0. 0.		A5783/8 MAGIC
• @ • @	• 11 • 11		AM5783/8 MÀTIX
-			
A5783/8	AM5783/8		
			CONNECTING KEY
			Receiver to switch the system on and off b – signals the system state by leds – can dis
•			- can set the activation of fixed zones of th
	•D:3 0-+*	• D2 0+•	available for actuations on the access contr
L4604	N4604	NT4604	
14004	114004	114004	Item Series
			L4604 LIVING INTERNATIONAL
	-		N4604 LIGHT
			NT4604 LIGHT TECH
			A5784 MAGIC
	-07 0		AM5784 MÀTIX
AF704			
A5784	AM5784		REMOTE CONTROL
			Item Description
			4050 portable infrared-ray remote co
0			off – can be automatically code
			– power supply by means of tw
			50,000 operations
4050			
			TRANSPONDER READER
			Curitshas the system on and off by manage
(((6)))	(((o)))	(((o)))	Switches the system on and off by means save up to 30 transponders - leds signal th
			available for actuations
3. 0	• 0	• •	
L4607	N4607	NT4607	Item Series
2.007	14007	1114007	LIVING INTERNATIONAL
			N4607 LIGHT
			NT4607 LIGHT TECH
hannakar			
bticino.			
MON BILLINIT			TRANSPONDER
3530	3540		Item Description
35305			3530 portable badge – when brough
			it activates it allowing the trans
			BUS – does not require batterie
			coded by means of the transpo
			3530S as above - slim

divided – pushbuttons to control nes – can disable the light signals or to the single-zone control unit to 8 zones

Item	Series	No. of modules
L4603/8	LIVING INTERNATIONAL	2
N4603/8	LIGHT	2
NT4603/8	LIGHT TECH	2
A5783/8	MAGIC	2
AM5783/8	MÀTIX	2

means of the remote control able the light and sound signals e system – auxiliary channel ols (electric door lock)

Item	Series	No. of modules	
L4604	LIVING INTERNATIONAL	2	
N4604	LIGHT	2	
NT4604	LIGHT TECH	2	
A5784	MAGIC	2	
AM5784	MÀTIX	2	

	REMOTE CONTROL
Item	Description
4050	portable infrared-ray remote control to switch the system on and off – can be automatically coded by means of the central unit – power supply by means of two lithium batteries supplied – life 50,000 operations

of the transponder (badge) – can e system state – auxiliary channel

Series	No. of modules	
LIVING INTERNATIONAL	2	
LIGHT	2	
LIGHT TECH	2	
	LIVING INTERNATIONAL LIGHT	LIVING INTERNATIONAL 2 LIGHT 2

Item	Description
3530	portable badge – when brought close to the transponder reader it activates it allowing the transfer of the signal generated on the BUS – does not require batteries for power – can be automatically coded by means of the transponder reader
3530S	as above - slim
3540	as above - kev-ring

3540as above - key-ringWarning: only the transponder readers with production batch 03 18 or higher, on
sale from May 2003, can read items 3530S (slim badge) and 3540 (key rings). The older readers only work with item 3530 (badge).



Control devices and volumetric detectors



KEYLOCK DISCONNECTOR

Module to switch the system off and block it by means of a mechanical key - signals the system state by leds - fitted with keyhole cover - key with

Series	No. of modules
LIVING INTERNATIONAL	2
LIGHT	2
LIGHT TECH	2
MAGIC	2
MÀTIX	2
	LIVING INTERNATIONAL LIGHT LIGHT TECH MAGIC

2

	_	IR	PASSIVE DETECTORS	
		with men	nory – range 8 metres, ar	passive infrared rays – alarm signal LED ngular opening 105°, 14 bands divided channel can be activated
610	NT4610	Item	Series	No. of modules
		L4610	LIVING INTERNATIONA	L 2
		N4610	LIGHT	2
		NT4610	LIGHT TECH	2
			c presence detector as a ° to 0°– swivel lens on 2	bove – angular opening can be divided axes
1	NT4611	Item	Series	No. of modules
I	IN14011	L4611	LIVING INTERNATIONA	
		N4611	LIGHT	2
		NT4611	LIGHT TECH	2
		Item	PASSIVE MINI-DETEC	
		N4640	signal LED with memo 14 bands divided ove	letector with passive infrared rays – alarm ory – range 8 metres, angular opening 105°, r 3 levels – auxiliary prealarm channel can b on the wall, inclined and at an angle
13	NT4613	Dual-tech one infrar movemer technolog	ed to detect hot bodies	ISORS nee detector made up of two sensors: (IR) and one with microwaves to detect y triggered when both detection No. of modules
		Item L4613	LIVING INTERNATIONA	
		N4613	LIGHT	2
		114013	LIJIII	<u> </u>

Perimeter detectors





CONTACT INTERFACE MODULE

NC electromagnetic contact interface module – can connect balanced and unbalanced contact protection line – alarm indication LED with operation memory – auxiliary prealarm channel can be activated

Item	Series	No. of modules	
L4612	LIVING INTERNATIONAL	2	
N4612	LIGHT	2	
NT4612	LIGHT TECH	2	
A5792	MAGIC	2	
AM5792	MÀTIX	2	

Interface module for cable detector to protect shutter – can be applied to NC/NO and window-breaking detectors (Item 3516).

Item	Series	No. of modules
L4612/12	LIVING INTERNATIONAL	2
N4612/12	LIGHT	2
NT4612/12	LIGHT TECH	2

Λ	MAGNETIC CONTACTS				
Item	Description				
3510	NC electromagnetic contact interface detectors and protection line				
	– version for flush mounting				
3511	detector as above – version for visible mounting				
3513	detector as above – version for visible mounting				
3516	6 piezoelectric window-breaking detector. Installation by means of				
	double-sided adhesive tape supplied.				

IR BARRIERS

Active infrared barriers, to protect windows and doors. The device is made up of 2 columns, one acts as TRANSMITTER (TX), the other as RECEIVER (RX). When several IR beams are broken the alarm is immediately triggered.

Item	Description
3518	IR barrier for windows – 1 metre
3519	IR barrier for doors – 2 metres



CATALOGUE 107

URGLAR ALARM



Devices for technical alarms



RELAY ACTUATOR MODULE

Actuator module with multiple configuration with output via relay – C-NO-NC contacts, 24V 0.4A cosj 0.4 – to be used to repeat the alarm, activate an external device, repeat the system state and signal that the battery is flat

Item	Series	No. of modules	
L4614	LIVING INTERNATIONAL	2	
N4614	LIGHT	2	
NT4614	LIGHT TECH	2	
A5794	MAGIC	2	
AM5794	MÀTIX	2	

AUXILIARY CHANNEL INTERFACE

Interface module for NO or NC auxiliary contacts – input availability 5 – 12Va. c./d.c. optoinsulated – to be used for various functions including "request for assistance for old people", "anti-panic" and similar technical alarms.

Series	No. of modules	
LIVING INTERNATIONAL	2	
LIGHT	2	
LIGHT TECH	2	
MAGIC	2	
MÀTIX	2	
	LIVING INTERNATIONAL LIGHT LIGHT TECH MAGIC	LIVING INTERNATIONAL 2 LIGHT 2 LIGHT TECH 2 MAGIC 2



AM5795

A5795

Radio expansion and radio remote controls

			RADIO RECEIVER FOR COMBINED WIRE-RADIO SYSTEM	
. /			radio receiver module to be used as interface between the wire burglar alarm the radio sensors to make combined wire-radio systems – can also be used for remote assistance functions together with remote control Item L4621	
			Item Series No. of modules	
L4620	N4620	NT4620	L4620 LIVING INTERNATIONAL 2	
			N4620 LIGHT 2	
			NT4620 LIGHT TECH 2	
			REMOTE CONTROL AND CODED KEYPAD	
-				
			Item Description	
= 1			C105 portable remote control to switch the system on or off - suppli	led
			with 1 lithium battery (CR1/3N) provided C106 coded keypad to switch the system on or off - supplied with 2	
C105			alkaline batteries (LR03) not provided	
C106				
	~		REMOTE CONTROL FOR REMOTE ASSISTANCE	
L4621			Item Description	
			L4621 radio remote control to send remote assistance signals - can be coded automatically via radio receiver Item L/N/NT4620 - pow supply via 2 lithium batteries supplied - life 2 years	

3URGLAR ALARM

NOTE: for installation examples about the technical alarms please see the "My Home Guide Applications".



Volumetric, perimeter and radio technical detectors

			PASSIVE INFRARED DETECTORS		
			Item	Description	
			C110	volumetric presence detector with passive infrared rays - alarm LI	
III water and III	Statement of the			- output 13 metres, angular opening 90°, 17 beams divided over	
	-			4 levels – impulse-count function can be fitted - supplied with 1 alkaline battery (6LR61) not provided	
C110 C1	11		C111	volumetric presence detector as above – output 23 metres, angul opening 7.5°, 3 beams divided over 4 levels – suitable to protect corridors	
R			<u>C112</u>	swivel bracket (optional) to hook and pivot the presence detector	
C112			MA	GNETIC AND WINDOW-BREAKING DETECTOR	
			Item C115	Description magnetic opening detector for doors and windows – can be con-	
C115	C115M		cits	nected with extra magnetic wire contacts (Items 3510, 3511 and 3513) – supplied with 2 alkaline batteries (LR03) not provided	
	CITSM		C115M	magnetic opening detector as above – brown	
			C116	piezoelectric detector to check windows - radius of coverage 1.5 metres	
			CA	BLE DETECTOR FOR ROLLING SHUTTERS	
C116			Item	Description	
\bigcirc			C120	detector to protect rolling shutters or similar winding shutters, made up of cable detector and radio transmitter – can also mana an opening magnet (supplied) to check the perimeter	
∝ (120					
			FRE	EEZER AND FLOODING DETECTOR	
		*	Item	Description	
	C118	1	C117	detector with probe for the flooding of any liquid – supplied with alkaline batteries (LR03) not provided	
C117			C118	freezer temperature fault detector – operating temperature –15°C	

External sirens and power supplies

	EXTERNAL SIREN WITH SYSTEM BATTERY
× •	Item Description 40721 external siren which contains the self-supply battery for the whole system – sound signalling can be set from 0 to 10 minutes by means of the control unit – to be fitted with 12V 12Ah battery Iter 3505/12 – sound intensity 105dB(A) at 3 metres – light signaller with xenon lamp – anti-foam grid – protected against being pulled off and opened – to be used with power supply Item E46ADCN
Afr. 320512 Afr. 320512 Bridnes & Florence, 	BATTERY FOR EXTERNAL SIREN ITEM 4072L
12V 12Ab	Item Description
4072L 3505/12	3505/12 battery 12V 12Ah
× •	Item Description 4072A self-supplied external siren – sound signalling can be set from 0 to 10 minutes by means of the control unit (1 or 4-zone) – to be fitts with 12V 7Ah battery – sound intensity 105dB(A) at 3 metres – li- ght signaller with xenon lamp – anti-foam grid – protected agains being pulled off and opened – to be used with power supply Item E47ADC Note: The package of external sirens does not include the configurators. These
4072A	can be purchased separately with the procedure indicated on the "catalogue - accessories" page. POWER SUPPLIES

E46ADCN/110 E46ADCN/127	siren Item 4072L - input 230V a.c. output 27V absorbed current 450mA - 8-module version f rail for flush-mounted or wall-mounted contro E46ADCN/110 as above - 110V a.c. 50/60Hz E46ADCN/127 as above - 127V a.c. 50/60Hz E47ADC power supply as above to be used with option Item 4072A - 8-module version for fastening of	power supply for burglar-alarm system to be used with external siren Item 4072L – input 230V a.c. output 27Vd.c. SELV – maximum absorbed current 450mA – 8-module version for fastening on DIN rail for flush-mounted or wall-mounted control units as above - 110V a.c. 50/60Hz
E47ADC		or 2 12V 7Ah batteries for self-supply of the whole system



Alarm devices and surface mounting boxes

TELEPHONE DIALLING DEVICE Item Description 4075N dialing device to connect to the telephone line which can auto- matically dial up to 16 telephone numbers - a "joker" number forwarding 6 different alarm messages - allows communication in two directions between user, burglar-alarm system and electrical system - surface mounted installation - to be fitted with 60 SAh battery Item 3507/6 - PL Ministry type approved SURFACE MOUNTING BOXES FOR POWER SUPPRY AND BATTERY Item Personal Different alarm personal FIT5/8A FIT5/8B SURFACE MOUNTING BOXES FOR POWER SUPPRY AND BATTERY Item Personal Different alarm personal FIT5/8A FIT5/8B SURFACE MOUNTING BOXES FOR POWER SUPPRY AND BATTERY Item Personal Different alarm personal power supply Item F47ADC F1T5/88 Suppry Item F47ADC - self-protection contect against attempts at opening SURFACE MOUNTING BOXES FOR MODULAR DEVICES Source Suppry Item F47ADC - self-protection contect against attempts at opening Suppry Item F47ADC - self-protection contect Source Suppry Item F47ADC - self-protection contect against attempts at opening Suppry Item F47ADC - self-protection contect Source Suprex unity and to self second pate and younce over pate	4070 N4070 Image: Nidora Image: Nidora Nidora Stor/6	INTERNAL SIREN Self-supplied internal siren can be installed in box 506E to be fitted with 6V 0.5Ah battery Item 3507/6 - sound intensity 90dB(A) at 3 metres - protected against pulling off and tampering Item Series 4070 LIVING INTERNATIONAL N4070 LIGHT NT4070 LIGHT TECH BATTERY Item Description 3507/6 battery 6V 0.5Ah for internal siren Items 4070 and N/NT4070 control unit with dialling device item 3500 dialling device item 4075N
Image: transmission of the transmission of transmi		Item Description 4075N dialling device to connect to the telephone line which can auto- matically dial up to 16 telephone numbers + a "joker" number forwarding 6 different alarm messages – allows communication in two directions between user, burglar-alarm system and electrical system – surface-mounted installation - to be fitted with 6V 0.5Ah
Solution Shallow surface-mounted box for installation on the wall - fitted with anti-tamper device - 2 modules - complete with surround plate and, in the Light version, white cover plate (LB) Solution Solution		Item Description F115/8A DIN wall-mounted container to mount power supply Item E47ADC F115/8B container for 12V 7Ah battery to self-supply the burglar-alarm system with power supply Item E47ADC – self-protection contact
	502IPA 502IPA	Shallow surface-mounted box for installation on the wall – fitted with anti- tamper device – 2 modules – complete with surround plate and, in the Light version, white cover plate (LB) Item Series Fitted with 502LPA LIVING INTERNATIONAL surround plate 502NPA LIGHT - LIGHT TECH surround plate + cover plate LB ANGULAR BOX Item Description 502PA surface-mounted box for installation in a corner – fitted with anti- tamper device – 2 modules – complete with surround plate and

Accessories

