





Ability. Shaping the idea of simplicity.

If you are looking for a system that allows trouble-free management of residential and small commercial applications, the Ability system is for you. The 6 model line-up allows you to choose the most cost-effective solutions for this market sector. The application range spans from 5 to 30 terminals with integrated management of shock and rollerblind sensor inputs.

All terminals can be "mapped" without restraint. This innovatory approach permits maximum deployment of the number of terminals specified for each model, always, even when the intrusion panel or expansion board terminals are unused. Any surplus terminals on the control panel/ expansion board can be deployed on other expansion boards or keypads. Ability intrusion panels manage up to 5 partitions, each with Stay, Away and Instant operating modes for maximum control flexibility. Ability control panels are available as "M", "B" and "V" models.

"M" models are the perfect choice when voice features are not necessary. "B" and "V" models integrate, on the main board, voice features.

Ability control panels provide from 18 to 60 seconds voice message time. A revolutionary concept. No additional voice board required, easy



nCode/S Keypad

The nCode/S keypad combines elegance, simplicity and functionality.

The large 4-line display provides real-time status information and allows users to scroll through the menu options with ease. The function keys activate commands instantly. The nCode/S keypad provides a configurable input/output (zone) terminal for added flexibility. One of the strong points of this device is its slimline design and stylish appearance which make it totally backdrop-friendly. Available in glossy black or white.



Proximity Readers nBy series

The nBy/S series proximity readers have been especially designed to reduce the work load of installer companies.

The heavy-duty enclosure makes these devices suitable for outdoor-mounting without the need of protection casing. The 4 LEDs can be associated with "shortcuts" for arm/disarm operations and access control.

This feature is particularly useful when basic integration between the intrusion-control and access-control systems is required. The flush-mount nBy/X proximity reader offers a "universal" solution that integrates proximity readers with all makes of cover plates, something installer companies have long been waiting for.

nBy/S and nBy/X proximity readers accept both nKey and nCard access devices.



Flex5 Input/output expansions

The Flex5 expansion board increases the number of inputs (zones) or outputs available on the Ability system.

It has 5 terminals. The Flex5 is based on exclusive technology which allows you to configure its terminals, as inputs or outputs, directly on-site. The days of separate input and output expansion boards are over, and once you see the full advantages of this device there will be no going back to "old ways".

The Flex5 allows direct management of rollerblind and shock sensors on 4 of its 5 terminals.



SmartModem100 Modem for remote programming and control

The Ability system can be remote controlled and programmed over the PSTN line through a SmartModem100.

The SmartModem100 must be connected to a computer which runs the Ability Suite programming software.

The modem interfaces with the computer through a USB port. It is powered directly through the USB port thus avoiding the need of any external power supply. Its reduced size makes placement unproblematic.



AB/Logo Voice-message recording interface

The AB/Logo board connects directly to the motherboard. This device allows you to record and playback voice messages via any phone at the place of installation. It can be easily disconnected once the recording session is over.

installation ensured. "B" models provide short voice-messages for dialler functions. In order to smooth the progress of the installation phase, the "B" version already includes a series of all-set-to-go messages which indicate the different events that may occur. If you require messages which provide in-detail event information, the "V" version is a more appropriate choice. This version manages up to 60 seconds voice message time. The messages are already pre-recorded but can be customized (by the installer) and freely assigned to the events. The recording process can be carried out using an AB/Logo recording interface, or by means of a PC microphone and file .wav download to the control panel, or via the advanced text-to-speech function.

Communication between the Ability control panel and Alarm Receiving Centre is managed by a digital communicator which is built-into the motherboard. The modem for remote programming and over-the-phone control of the system is also a built-in component. Ability control panels are also capable of managing the Air2 two-way wireless system. Therefore, they can be set up to operate as hybrid systems, which if needed can become solely wireless as regards the detection devices.



KB100 Wall-mount bracket for nCode keypads

The KB100 kit allows you to wire the Concept keypad using 6 installation-friendly terminals instead of the usual 6-wire method. The KB100 includes the board with the 6 wiring-terminals and a plastic housing.

Air2 Wireless system

The Air2 two-way wireless system operates over 868MHz band. Two-way transmission technology ensures extremely high-performance, attributable to the fact that the system devices not only transmit and receive signals but also verify the successful effect of the signal on the target device.



Air2-BS100 Two-way wireless tranceiver

Two-way wireless tranceiver with I-BUS interface for the communication with the Ability control panels. The tranceiver is able to manage up to 30 wireless devices (IR100 infrared detectors, MC100 magnetic contacts) and 50 keyfobs KF100.



Air2-IR100 PIR

The Air2-IR100 two-way communication PIR detector provides 12m coverage. The no-climb remote programming feature allows you to adjust sensibility of the detector effortlessly. It is also possible to enable or disable sensing in accordance with the operating mode of the partition it is assigned to. The device is protected against open-casing and dislodgement tamper.



Air2-MC100 Magnetic contact

The MC100 wireless magnetic contact provides two positions for the contact magnet. The unused position can be deployed for anti-tamper purposes. In addition to being a magnetic contact, the MC100 also functions as a wireless input/output expansion. It provides 2 terminals which accept either input (zone) or output configuration. The device is protected against open-casing and dislodgement tamper. Available in white or brown.



Air2-KF100 Remote control keyfob

The Air2-KF100 keyfob provides 4 programmable buttons which notify the user, by means of audible and visual feedback signals (green or red) on its LED, of the successful effect of requested operations. This is done via a two-way transmission channel with the tranceiver. With the KF100, therefore, you are always sure of the outcome of remote-commands. The device also has a handy "block keypad" feature which protects against unintentional pressing of buttons.

Air2 equipped Ability control-panels incorporate top-of-the-line wireless transmission technology. The two-way transmission channel allows the user, for example, to “switch off” detectors when they are not in use, activate open-collector outputs, and also receive feedback signals directly on the keyfob. The keypad has a large display with 4 lines of 16 characters each. This is double the space normally provided by most other keypads in this market segment. The keypad accepts as many as 20 user codes. The system also supports proximity card/tag readers. The proximity reader is the easiest way to interact with the intrusion control system, it is particularly useful when arming or disarming the entire system or specific partitions. However, it can also be used to activate an output or a dialler action.

The proximity-reader system supports up to 50 proximity tags. The motherboard also provides 1 voltage-free relay and 2 open-collector outputs which provide the basic elements for the activation of devices (outdoor siren, indoor siren).

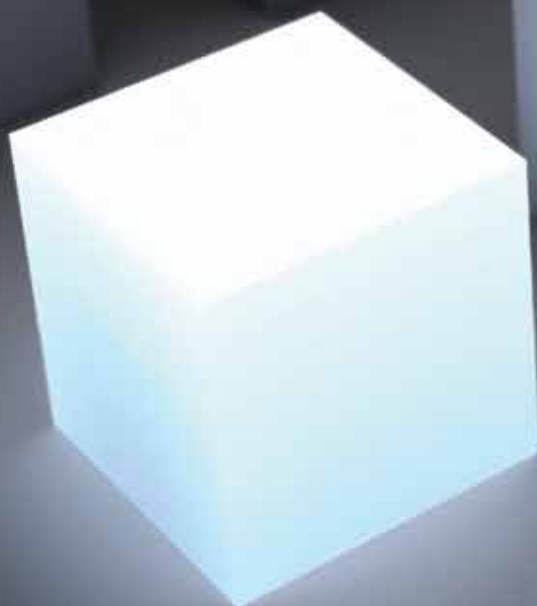
The power supply, depending on the model, is capable of supplying 0.8A or 1.3A.

This system is simple, efficient and cost-effective.

ORDER CODES	DESCRIPTIONS
Ability 510M	Intrusion control panel - 5 to 10 terminals, 5 partitions, 0.8A power supply
Ability 510B	Intrusion control panel - 5 to 10 terminals, 5 partitions, 0.8A power supply, 18 seconds of voice messages
Ability 510V	Intrusion control panel - 5 to 10 terminals, 5 partitions, 0.8A power supply, 18 seconds of voice messages
Ability 1030M	Intrusion control panel -10 to 30 terminals, 5 partitions, 1.3A power supply
Ability 1030B	Intrusion control panel -10 to 30 terminals, 5 partitions, 1.3A power supply, 18 seconds of voice messages
Ability 1030V	Intrusion control panel -10 to 30 terminals, 5 partitions, 1.3A power supply, 60 seconds of voice messages
nCode/SB	Keypad with backlit alphanumeric display with 4 lines of 16 characters, 1 input/output terminal, colour white
nCode/SN	Keypad with backlit alphanumeric display with 4 lines of 16 characters, 1 input/output terminal, colour black
Flex5/P	Expansion board with 5 inputs and outputs, in plastic box, protected against open-casing and dislodgement tamper
Flex5/U	Expansion board with 5 inputs and outputs in plastic enclosure protected with on-view terminals
nBy/S	Wall-mount proximity reader
nBy/X	Flush-mount proximity reader
Ab/Card	Access card for nB/S proximity readers
Ab/Key	Access tag for nBy proximity readers
Air2-BS100/50	Transceiver (two-way) 868MHz, I-Bus connected, up to 50 detectors, up to 100 keyfobs.
Air2-BS100/30	Transceiver (two-way) 868MHz, I-Bus connected, up to 30 detectors, up to 50 keyfobs.
Air2-IR100	Two-way wireless PIR detector with 12m coverage
Air2-IR100/C	Infrared detector (two-way) 20m corridor coverage
Air2-KF100	Two-way remote-control with 4 buttons
Air2-MC100B	Magnetic contact (two-way) with 2 inputs/outputs (wireless expansions), colour white
Air2-MC100M	Magnetic contact (two-way) with 2 inputs/outputs (wireless expansions), colour brown.
Ab/Logo	Voice-message recording interface
SmartModem100	Modem for remote programming and control over-the-phone (PSTN)
KB100-N	Wall-mount bracket for nCode keypads, colour black
KB100-B	Wall-mount bracket for nCode keypads, colour white
TamperNO	Tamper protection for Ability control panels
ProbeTH	Thermal probe - measures battery temperature and regulates the charge voltage accordingly
LINK232F9F9	RS232 cable for PC to device connection
LINKIBUS	Temporary connection cable for IBUS
IPS12040	Power supply module 3A@ 13.8Vdc
IPS12100	Power supply module 5A @ 13.8Vdc
BPS12040	Power supply module 3A@ 13.8Vdc in metal box, housing for 7Ah battery (not included)
BPS12100	Power supply module 5A @ 13.8Vdc in metal box, housing for 17Ah battery (not included)
DCMIINI0ABILITY	Installation and programming manual for Ability control panels
DCMUINI0ABILITY	User manual for Ability control panels
AbilitySuite	Programming and control software for Ability devices

ABILITY	510			1030		
	M	B	V	M	B	V
HARDWARE FEATURES						
Terminals on motherboard	10	10	10	30	30	30
Terminals available for mapping/relocation on system	10	10	10	30	30	30
Terminal on-motherboard (configurable as input or outputs)	5(0)	5(0)	5(0)	10(5)	10(5)	10(5)
Programmable Relay on-motherboard	1	1	1	1	1	1
Programmable open-collector output on-motherboard	2 (150mA)	2 (150mA)	2 (150mA)	2 (150mA)	2 (150mA)	2 (150mA)
Partitions managed	5	5	5	5	5	5
Power station	0,8A	0,8A	0,8A	1,3A	1,3A	1,3A
RS232 Port	Yes	Yes	Yes	Yes	Yes	Yes
Charge voltage adjustment via temperature (ProbeTh)	Yes	Yes	Yes	Yes	Yes	Yes
Battery test circuit	Yes	Yes	Yes	Yes	Yes	Yes
Control panel firmware reprogrammable from panel	Yes	Yes	Yes	Yes	Yes	Yes
Peripheral firmware reprogrammable from panel	Yes	Yes	Yes	Yes	Yes	Yes
Metal enclosure	Yes	Yes	Yes	Yes	Yes	Yes
Battery housing	7Ah	7Ah	7Ah	7Ah	7Ah	7Ah
Dimensions (HxWxD)	305x220x80 mm	305x220x80 mm	305x220x80 mm	305x220x80 mm	305x220x80 mm	305x220x80 mm
Weight (without battery)	2,5 Kg	2,5 Kg	2,5 Kg	2,6 Kg	2,6 Kg	2,6 Kg
DEVICES on IBUS						
Auto-enrolling on IBUS	Yes	Yes	Yes	Yes	Yes	Yes
Supports nCode keypads	5	5	5	10	10	10
Supports nBy proximity readers	10	10	10	20	20	20
Supports Flex5 5-terminal expansion boards	10	10	10	20	20	20
Supports Air2 two-way transceiver	1	1	1	1	1	1
WIRELESS DEVICE MANAGEMENT						
Supports IR100 PIR detector and MC100 magnetic contacts	10	10	10	30	30	30
Supports KF100 keyfobs (wireless access devices)	20	20	20	50	50	50
AUTHENTICATION						
Installer codes	1	1	1	1	1	1
User codes (with timer association)	10	10	10	20	20	20
nKey tag or nCard access card (with Timer association)	20	20	20	50	50	50
TELEPHONE COMMUNICATION						
Contact telephone numbers	5	5	5	5	5	5
Line tone check	Yes	Yes	Yes	Yes	Yes	Yes
Built-in automatic voice dialler	-	Yes	Yes	-	Yes	Yes
Built-in automatic digital communicator	Yes	Yes	Yes	Yes	Yes	Yes
Built-in remote programming modem	Yes	Yes	Yes	Yes	Yes	Yes
INPUT TERMINALS (ZONES)						
Auto-learning of zone balancing	Yes	Yes	Yes	Yes	Yes	Yes
Zone Doubling (each input terminal manages 2 zones)	Yes	Yes	Yes	Yes	Yes	Yes
Input terminals for shock and rollerblind sensors on control panel	2	2	2	2	2	2
Input terminals for shock and rollerblind sensors on keypad	1	1	1	1	1	1
Input terminals for shock and rollerblind sensors on expansion boards (out of 5 available as input/output)	4	4	4	4	4	4
VOICE FUNCTIONS ON MOTHERBOARD						
Voice message recording time	-	18sec	60sec	-	18sec	60sec
Number of voice messages (pre-recorded)	-	8 (8)	20 (10)	-	8 (8)	20 (10)
Automatic voice dialler	-	Yes	Yes	-	Yes	Yes
Message recording via PC (microphone o fil.wav)	-	Yes	Yes	-	Yes	Yes
Message recording via PC using text-to-speech	-	Yes	Yes	-	Yes	Yes
OTHER FEATURES						
Weekly Timers (each with 5 setting exceptions)	2	2	2	2	2	2
Programmable arming scenarios (arming configurations)	15	15	15	15	15	15
Programmable shortcuts (one-stroke actions)	30	30	30	30	30	30
Rolling event buffer (log)	250	250	250	250	250	250
Choice of events saved to buffer	Yes	Yes	Yes	Yes	Yes	Yes
Save single-detailed event	Yes	Yes	Yes	Yes	Yes	Yes
Manages "Shortcuts" activated by 4 function keys per keypad (F1, F2, F3, F4)	Yes	Yes	Yes	Yes	Yes	Yes
Manages "Shortcuts" activated by 4 function keys per code (F1, F2, F3, F4)	Yes	Yes	Yes	Yes	Yes	Yes
Manages "Shortcuts" activated by number keys per code (10)	Yes	Yes	Yes	Yes	Yes	Yes
Manages "Shortcuts" activated by LEDs (4) on nBy readers	Yes	Yes	Yes	Yes	Yes	Yes
Event-Action Matrix (generates event-related actions)	Yes	Yes	Yes	Yes	Yes	Yes
Generates "start of" event-related actions	Yes	Yes	Yes	Yes	Yes	Yes
Generates "end of" event-related actions	Yes	Yes	Yes	Yes	Yes	Yes
Programming software (Windows environment)	Yes	Yes	Yes	Yes	Yes	Yes

INTRUSION SYSTEM



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