



Anti-intrusion control panels



Control panel models

Sol is a series of wireless control panels created for fast installation of alarm systems in small residential and business premises. The Sol control panel is available in 2 models (Sol/S and Sol/G) with 30 wireless terminals, 5 partitions and up to 4000 events in memory.

It is also possible to add an Air2-BS200 transceiver and an nBy reader to the system.

The Sol guarantees certified safety at maximum level. The system complies with EN50131 Grade 2 and with EN50136 ATS-6.

- Wireless cover: 4.5 Km in an open space – up to 9 Km with the Air2-Rep100 repeater
- 2 models:
 - **Sol/S**: control panel with no display or keypad, equipped with 7 LEDs
 - **Sol/G**: control panel with frontplate equipped with monochrome LCD display, touch-sense keypad and 4 LEDs
- 100-240V~ -15% +10% 50/60Hz extended range power supply
- 4000mAh rechargeable NiMH buffer battery
- Maximum currents:
 - 200mA on additional peripherals (Air2-BS200 transceiver and nBy readers)
 - 100mA on +AUX terminal
 - 250mA on T1 and T2 open-collector terminals (with external power source)
- 2 hardwired terminals
- 5 partitions
- Up to 30 wireless terminals
- Up to 8 wireless Aria/W keypads
- Up to 8 wireless Hedera, Smarty/W and DS100W sounder/flashers
- 1 Air2-Rep100 wireless repeater
- Up to 4000 event memory capacity
- EN50131 Grade 2 compliance for each model.
- Integrated USB port
- Optional modules/boards:
 - **Sol-WiFi**: IP connectivity over WiFi networks, IEEE 802.11b/g/n standard (2.4Ghz networks)
 - **Sol-LAN/S**: IP connectivity over hardwired LANs
 - **Sol-2G/4G**: GSM/GPRS/UMTS/HSPA connectivity over 2G/4G mobile phone networks
 - **Sol-PSTN**: PSTN wired telephone line connectivity

Control

- **InimTech Security** Installer App: fast system programming with "QuickGo" technology with push notifications, control panel and fault geolocation, multicontrol panel and multiplatform
- **Sol/STUDIO** dedicated programming software (for Inim installers only)
- Firmware upgradeable in "safe" mode via the Sol/STUDIO programming software
- Guided user menu in the event of an alarm
- Text-driven programming menu (for Inim installers only)
- User App: push notifications for security management and home automation
- Peer-to-peer or multicontrol-panel and multi-platform Cloud management

Functionality

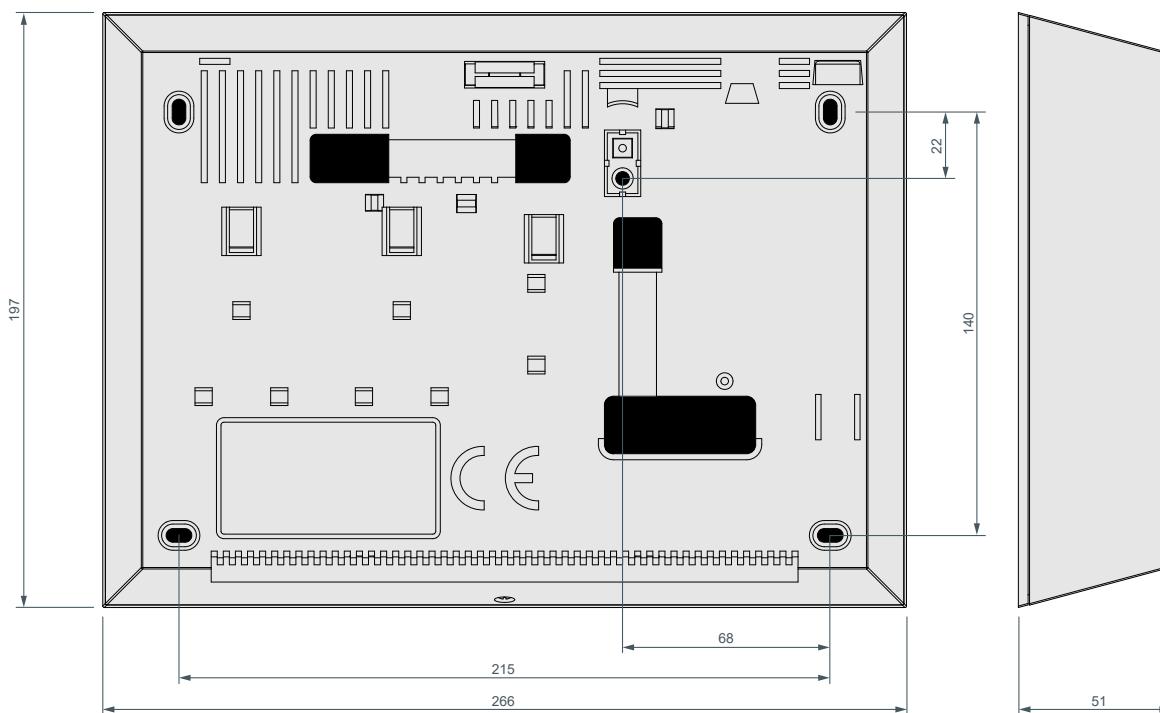
- Voice functions: voice mailbox, guided menu, local dialler, environment listen-in (Sol/G)
- Home automation functions: timed activations
- Management of intrusion-control and home-automation scenarios

Connectivity

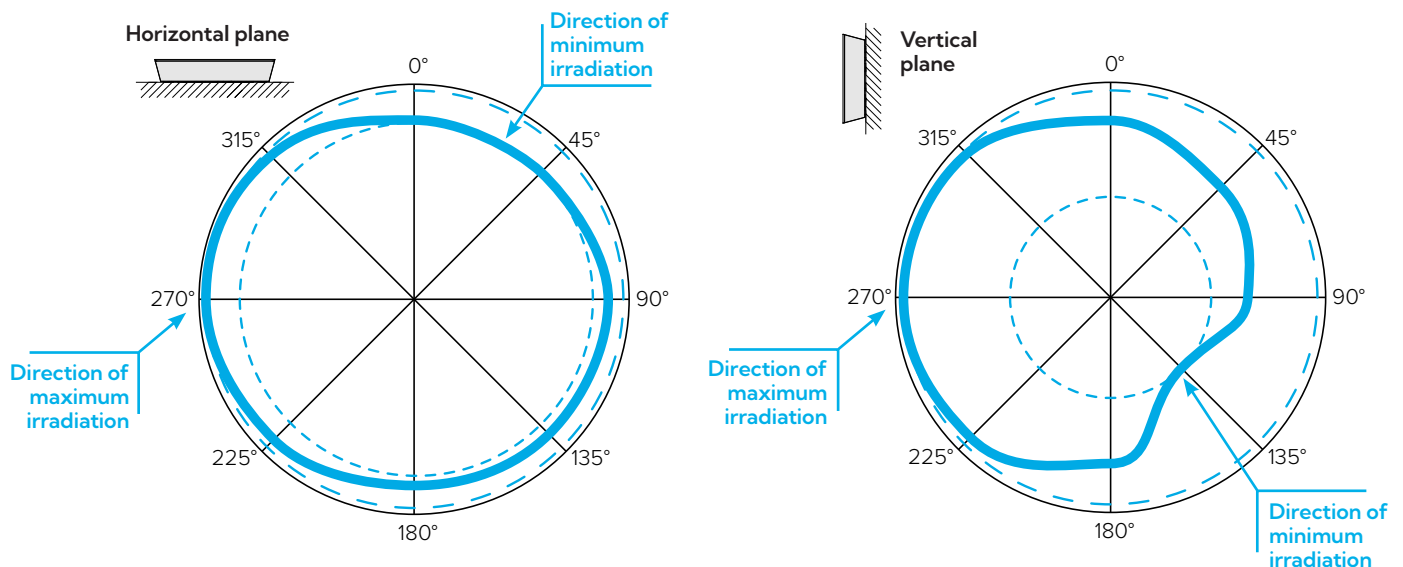
Alternatively, Sol can be managed by **Inim Cloud** thanks to the network connectivity provided by the Sol-WiFi, Sol-LAN/S and Sol-2G/4G modules. All that is required is for the control panel to be connected to the system router to enable it to reach Inim Cloud automatically, and there is no need to carry out advanced programming of the router/gateway/switch. Connection to Inim Cloud is not mandatory but guarantees a series of additional services for both the installer and the end user. Both will have Web access and will be able to manage their systems from any browser.

- LAN connectivity with optional modules and Inim Cloud services, DHCP, NTP and AES encryption
- PSTN, GSM, GPRS and 4G connectivity with voice, digital, SMS dialler
- Cloud connection with management of backup channel
- Simultaneous transmission of events on Inim Cloud and other available PSTN, GSM channels

DIMENSIONS



SPATIAL LOBES OF RADIATION FROM THE WIRELESS SYSTEM



MAIN FEATURES

	Sol control panels	
	Sol/S	Sol/G
HARDWARE FEATURES		
Display	No	192x64 pixel monochrome LCD
Keypad	No	Touch-sense screen
Signalling LEDs	7	4
Microphone	No	Yes
Buzzer/Speaker	No	Yes
Integrated sounder		Yes
Integrated reader		Yes
Maximum number of terminals and number of mappable or relocatable terminals in the system		30
On-board terminals (configurable as input/output)		2
Programmable relays on the main board		Yes
Programmable 12V outputs		1
Manageable partitions		5
IP Connectivity	Optional (via Sol-LAN/S, Sol-WiFi modules)	
Integrated SIA-IP digital communication standard	Optional (via Sol-LAN/S, Sol-WiFi modules)	
Communication over PSTN telephone lines	Optional (via Sol-PSTN module)	
Communication over mobile lines	Optional (via Sol-2G/4G module)	
Voice functions	Optional (via SmartLogos30M module)	
Maximum voltage on I-BUS		200mA
Power supply: maximum current on terminal + AUX		100mA
Power supply: maximum current for open-collector outputs	250 mA (with external power source)	
Power supply: maximum current for battery recharge		1A
Maximum time for battery recharge		3h
Backup battery	NiMH 7.2V 4000 mAh	
Autonomy		> 12 h
Battery-charge monitored by battery temperature sensor		Yes
Battery efficiency test		Yes
USB port		Yes
User App for smartphones or tablets (Android/iOS)		Yes
Installer App for smartphones or tablets (Android/iOS)		Yes
Cloud functions with Inim Cloud services		Yes
Reprogrammability of control panel firmware		Yes
Dimensions (HxWxD)	197 x 266 x 51 mm	
Weight	1100 g	
DEVICES ON I-BUS		
Self-learning of peripherals on the I-BUS		Yes
nBy proximity readers		1
Air2-BS200 transceivers (with automatic channel search)		1
AIR2 SERIES WIRELESS DEVICES		
Magnetic contacts, Infrared detectors, Dual technology detectors, Smoke detectors		30
Wireless keypads (with addition of BS200)		8
Wireless sounders (with addition of BS200)		8
Air2-Rep100 repeater		1
Remote-control keyfobs*		≤ 150
AUTHENTICATION		
Installer codes		2
User codes (with associated timers)		50
nKey tag or nCard proximity card (with associated timers)*		8

* The sum of the wireless keys and the tags used must be less than or equal to 150.

TELEPHONE COMMUNICATION

Telephone numbers	15
Phone line availability check	Yes
Automatic voice communicator (SmartLogos30M option, see also voice functions)	Yes (with optional modules)
Integrated automatic digital communicator (ContactID, SIA-IP, pulse)	Yes (with optional modules)

INPUT TERMINALS (ZONES)

Self-learning of zone balancing *	Yes
Management of two separate zones on each input terminal	Yes
Input terminals on the control panel for shock and roller blind sensors	2
Thresholds of programmable input zones	Yes
Calibration of input thresholds *	Yes

* Patent pending

OTHER FEATURES

Weekly timer with two time slots per day (each with 15 exception periods)	20
Management of summer/winter time	Yes
Automatic date/time update with NTP	Yes
Programmable arming scenarios (settings for partition status and output status)	30
Types of shortcuts for immediate actions	38
Programmable icons	80
Number of events that can generate actions	2830
Events that can be stored in the register	4000
Choice of events to memorize	Yes
Management of shortcuts via function keys (12) and number keys (10) on keypads	Yes
Management of shortcuts via LEDs (4) on nBy readers	Yes
Event-based action generation matrix	Yes
Generation of action when the event occurs	Yes
Generation of action when the event restores	Yes
Zone test from keypad	Yes
User-friendly programming software (runs under Windows)	Yes
Security grade	2
Environmental class	II
Isolation class	II

COMPLIANCE

EN50131-3	Grade 2
EN50131-6	Grade 2 - AT56

ORDER CODES

SOL-30S	Intrusion-control panel, supports up to 30 devices, LED frontplate
SOL-30G	Intrusion-control panel, supports up to 30 devices, graphic LCD and touch-screen keypad
SOL-LAN/S	LAN Interface
SOL-PSTN	PSTN Interface
SOL-WI-FI	Wi-Fi interface
SOL-2G	2G, GPRS interface
SOL-4G	2G, GPRS, 4G interface
AIR2-REP100	Wireless repeater
SMARTLOGOS30M	Voice board