Opera | A step towards the future

On-site or remote programming, management and check
system for the automations

Nice

Home Automation

Control?

Programming, managing and controlling your automations
has never been easier!
Smartphone, PC, PDA: Opera takes care of the rest!

Opera, the innovative system to facilitate installation and use of automation systems.

The Opera system comprises transmitters and **One** series receivers, including the universal receiver OX4T, the **O-View** multifunction display, the **O-Box** connection interface and the **communication software "O-View Software Suite"** and **"O-Box Software Suite".**

O-Box
Connection interface

O-View
Multifunction display

One
Transmitters
and receivers

**O-View
Software Suite**
Communication
software for PC
and PDA

The **Nice**Opera
O-View Software Suite v1.0

The **Nice**Opera
O-Box Software Suite v1.0

**O-Box
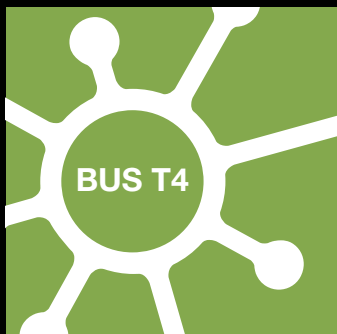Software Suite**
Communication
software for PC
and PDA

era

OX4T
Universal receiver

Nice

# All components communicate via BUS T4 or the new O-Code encoding system.

BUS T4 is the innovative communication protocol that enables you to create extensive networks of compatible automation systems, managing them from a single point via O-View. Network devices can be recognised by renaming devices according to specific client requirements. Device management can be protected by two password levels.
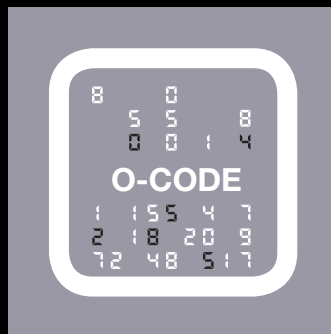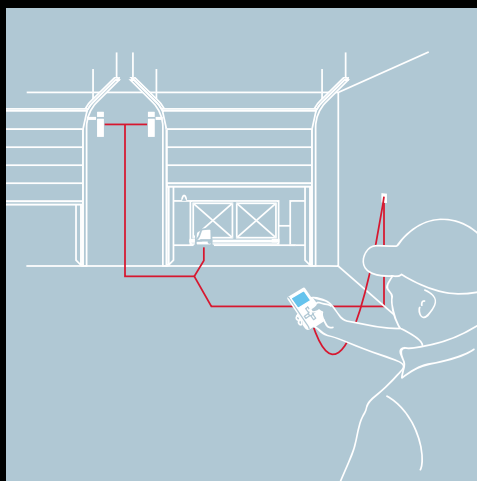

O-Code: the rolling code signed Nice at 72 Bit that guarantees maximum safety of transmission and reduces automation response times.
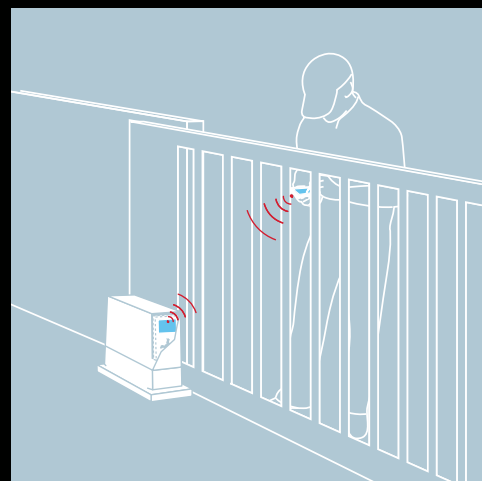
Advantages for the installer
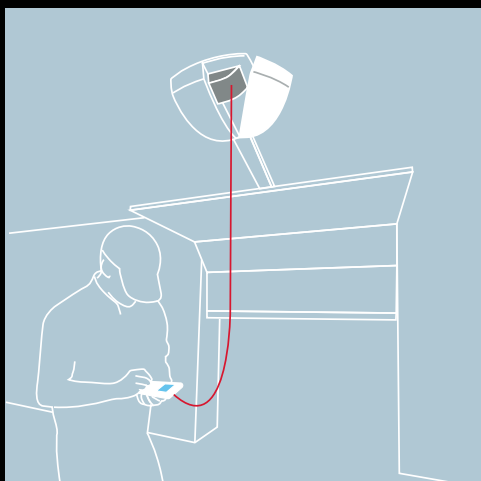
Convenient programming and local checks with direct connection of O-View palmtop to motor.

Rapid access to devices to be programmed with direct connection of O-View palmtop to a pre-wired connector.
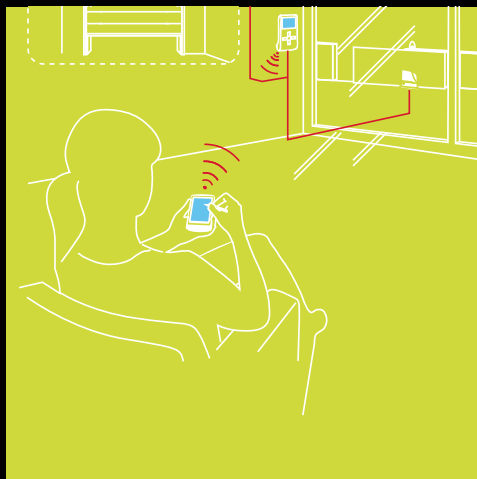

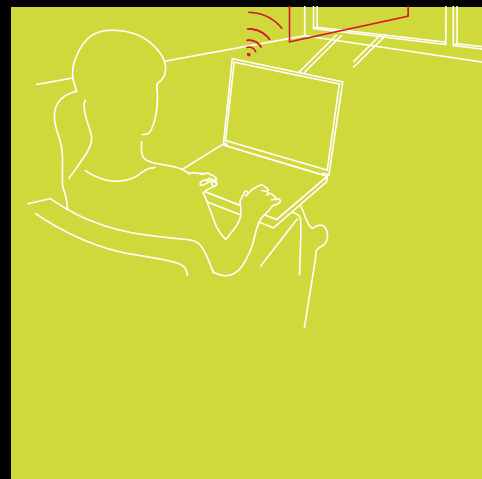**Local programming and checks via Bluetooth.**

Advantages for the user
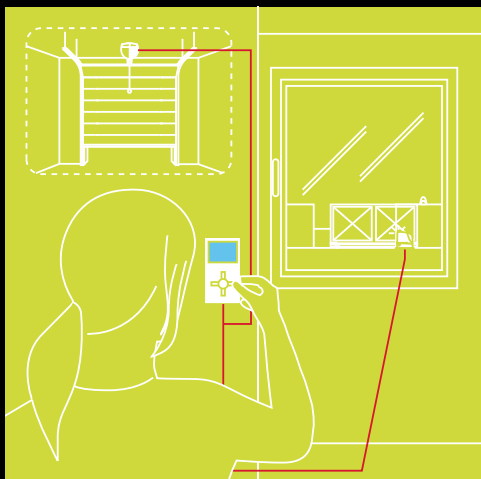
Rapid selection, management and checks of multiple automations, by means of O-View.

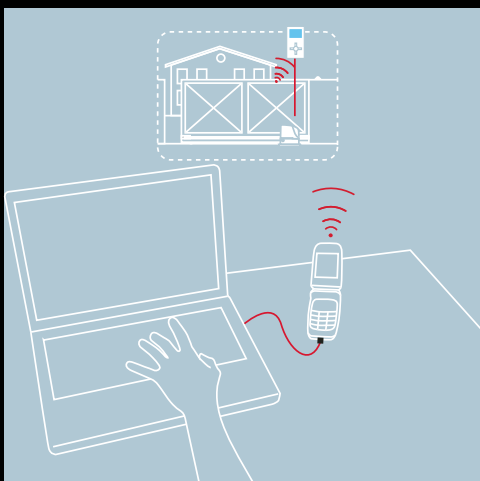**Practical remote management and checks directly from PDA, via Bluetooth.**

Practical remote management and checks directly from PC, via Bluetooth.

QUICK

Configuration times drastically reduced thanks to the software supplied: management of all control panel parameters (O-View software Suite), receivers and transmitters, including certificates and passwords (O-Box Software Suite), couldn't be simpler, by simply logging onto your PC or PDA.

ASSISTANCE

Constantly efficient assistance for all customers: the software applications enable the creation of a database to enable constant control of all systems installed - even more complex versions used in commercial/industrial applications - and a constantly updated database of the associated control systems.

Management and remote checks via GPRS, directly from the office.
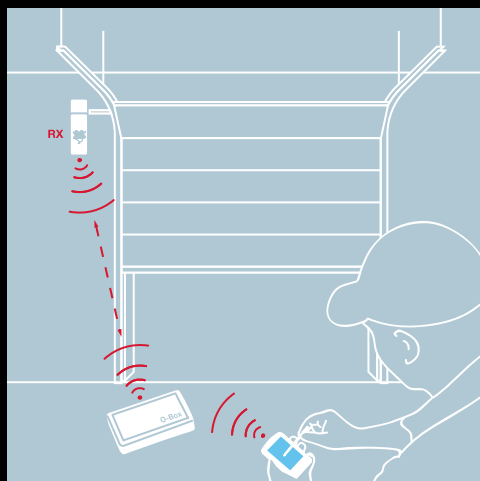
Practical remote programming of receivers otherwise difficult to access.
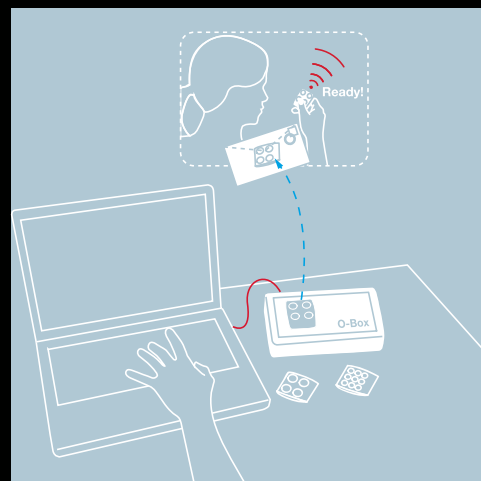
Certificate: remote programming of transmitters, without the need to visit the client's premises.
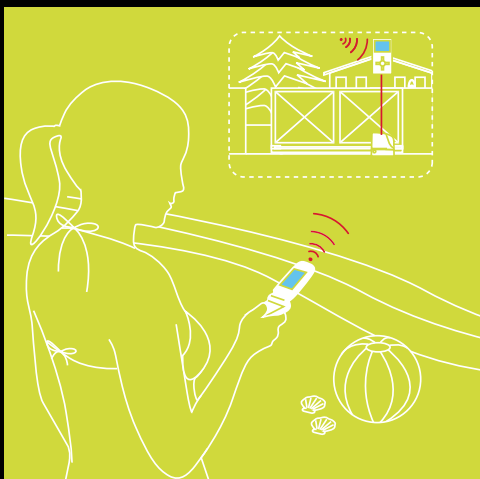
Practical remote management and checks via GSM, by sending a text message from a mobile phone.
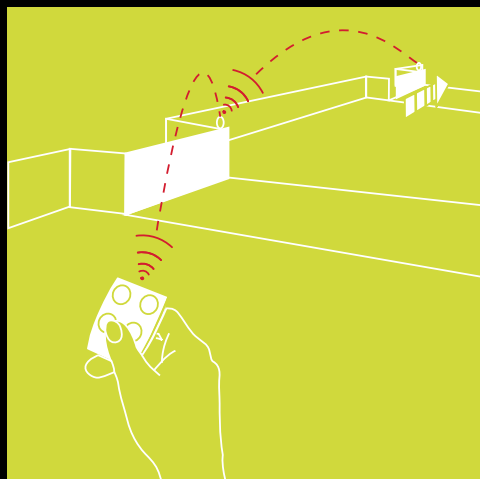
Receiver-repeater to double range of transmitter.
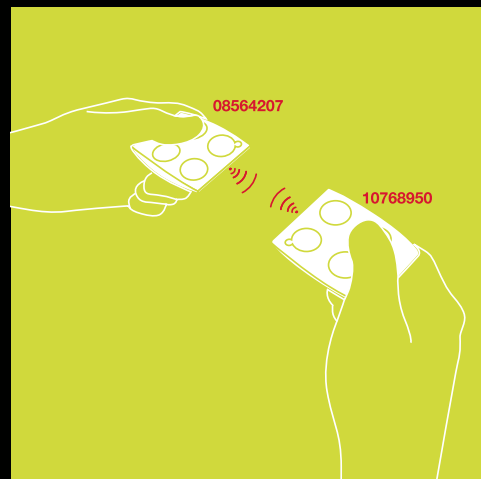
Identity code: option to enable remote memorisation of transmitters directly by the user.

Nice Opera

Advanced management of automation systems also at a distance.

Nice Opera simplifies the installer's work, making for easier programming, and enabling access to all control panel parameters to adapt the system to all requirements. No specific procedures needed for each product: single programming mode with intuitive menus, with no need to consult instructions.

Thanks to the GSM module, diagnostics can be performed remotely and the automation can be monitored constantly avoiding costly inspections on site with significant savings in time.

+
performance
−
difficulties

>
Centralised problem-free control

:)
Mobile phone or remote control? The choice is yours!

Simplifies system programming by means of the O-View multifunction display which when connected directly to the control panels compatible with the Opera system via BUS T4, enables full access to the system functions, for practical, rapid and advanced programming.

The multi-function display O-View, connectable on site to the control unit on the BUS T4 network, via the simple and intuitive interface of the management software O-View Software Suite, enables the management, programming and maintenance of the system from your PC or PDA, making control unit performance data even more accessible and enabling total personalisation of systems.

The connection via BUS T4 between O-View and the module OVBT enables, with no need to physically intervene on the control unit, diagnostics and updates to the firmware as well as programming via the PC or PDA within a range of 10-15 metres.

When connected on site, O-View with the module OVBTGSM enables, via GPRS, remote diagnostics of the system and consultation of the event log from your office, by means of a simple Internet connection.

The BUS T4 technology enables the creation of a network of devices, connecting compatible control units between them, and centralising control via O-View. By interfacing the system with the PC, you can control a complex automation system such as those found in densely frequented buildings (hospitals, hotels, companies, etc.).
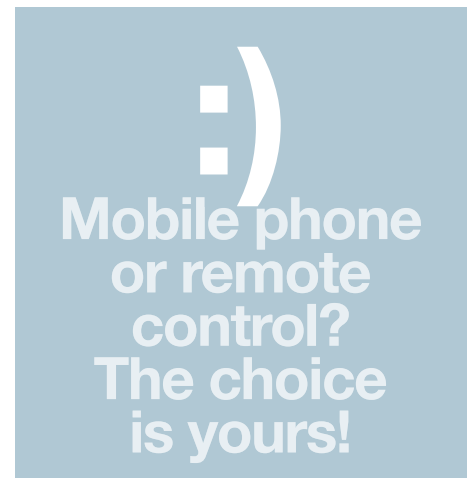
When connected on site, O-View enables remote control of the automation via mobile phone.
By calling from one of the enabled numbers, you can open the gate or, for example, send an SMS text message to open, close, lock or unlock, all protected by the personalised alphanumeric password assigned by the user.

1 **Bluetooth**

OVBT

Bluetooth connection module and software "O-View Software Suite" to communicate with the O-View interface via PC or PDA in the vicinity of the system.

2 **Bluetooth + GSM**

OVBTGSM

GSM connection module and software "O-Box Software Suite" for automation management via PC, PDA or mobile phone, directly from the office or any location covered by the GSM network.

Bluetooth™

Phone
With Windows Mobile®

PDA
With Windows Mobile®

PC
With Windows

The software "O-View Software Suite" can be installed quickly and with the utmost of ease either on PC (version O-View Desktop), a palmtop PDA or mobile phone (version O-View Mobile).

O-View

<<< BUS T4

MC824H

BUS T4 >>>

Motors with built-in control unit

Motors with external control unit

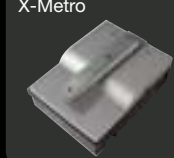| Hyke | Walky | Robus | Run | | Toona | Hyppo |
| X-Bar | Spinbus | Ten | Soon | | X-Metro | Metroplex |

Nice O-View

OVIEW

Unit for control, programming and diagnostics for devices equipped with BUS T4 connection, on site or remotely via GPRS thanks to the connection with your PDA, Smartphone or PC.

The multi-function display O-View is connected directly to the compatible control unit via a BUS T4 cable (supplied), enabling access to all control unit parameters to adapt the system to all needs. A single and simple programming mode with intuitive menus valid for each product, with no need to consult the specific instructions.

By connecting O-View permanently to a control unit or group of control units via BUS T4, a network can be created for local or remote centralised management.

O-View powers up and automatically recognises all devices on the network as soon as it is connected, displaying only the specific parameters of the device on which to intervene, eliminating any irrelevant or redundant information.

In the case of several devices on the network the BUS T4 address is identifiable by means of a text label personalised as required, enabling rapid recognition of the associated device.

Thanks to the built-in clock, it is also possible (with integrated backup battery) to program delivery of commands at a set time, for example to automate opening and closing of complex industrial and commercial systems or for the creation of "scenarios".

A practical wall-mounted support (supplied) makes it even more convenient.

The system can be protected on two levels, for example by means of a user password and installer password, to guarantee differentiated access to more reserved functions and increased safety.

O-View is your portable office, and can be connected just when programming or for maintenance, or can be installed permanently on site to exploit all the benefits of local or remote centralised management.

OVBT	**OVBTGSM**	**O-View Software Suite**

Code	Description
OVIEW	Unit for control, programming and diagnostics of devices equipped with BUS T4 connection
OVBT	Bluetooth module for O-View and "O-View Software Suite" application for PC, PDA or Smartphone
OVBTGSM	GSM module for O-View and "O-View Software Suite" application for PC, PDA or Smartphone

Technical specifications

Graphic interface	: LCD display 128 x 64 dots (46 x 29 mm); 2.2"
Operator input device	: joypad with 5 + 2 keys
Display/key lighting	: white light
Time and date display	: with backup battery (min. lifetime 10 years)
Maximum number of commands per hour	: 64
Event log	: storage capacity 400 events
Connection cable length (m)	: 2 (cable supplied); 700 (other cable)
Power supply	: supplied by devices on BUS T4 network
Absorbed current (mA)	: max. 20 (without accessories)
Insulation	: Class III
Housing protection rating (IP)	: 20
Working temp. (°C Min/Max)	: from -20° to +55°
Dimensions (mm)	: 107x61x20 h (with wall-mounted support: 125 x 70 x h 32)
Weight (g)	: 75 (without cable)
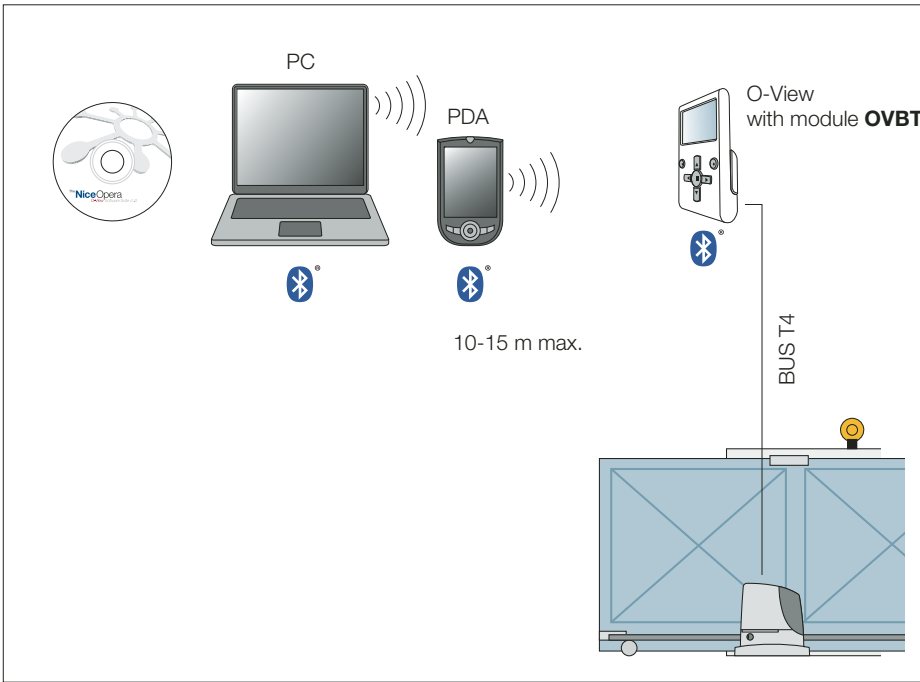
OVBT

Bluetooth connection module for O-View interface. "O-View Software Suite" enables connection via PC or PDA to O-View in the vicinity of the system, to intervene on the control units on the BUS T4 network. Maximum connection distance 15 m.

The interface of "O-View Software Suite" has been specially designed to enable rapid access to all parameters of the connected devices without the need for physical access, as well as quick diagnostics of malfunctions by consulting the event log, all the most practical and intuitive way possible.

The O-View control function has been expanded: in just one PC screen, all applications connected via BUS T4 can be controlled, even in large numbers.

PC

PDA

O-View
with module **OVBT**

10-15 m max.
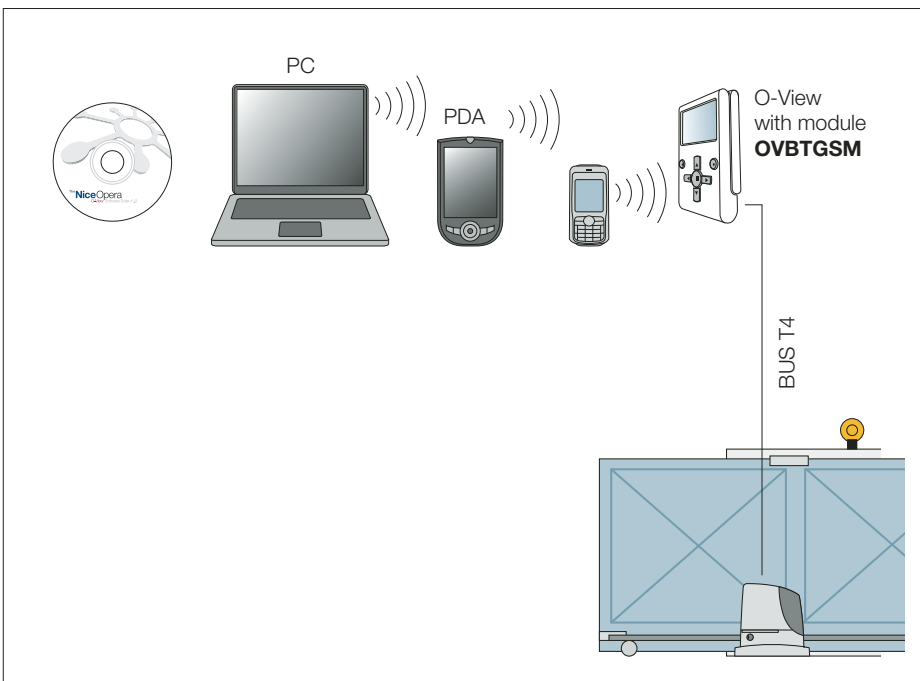
BUS T4

OVBTGSM

In addition to the benefits of the OVBT module, the automation or network of automations can now be controlled via GSM by connecting O-View to the system via BUS T4.

A GPRS connection also enables connection via the Internet to O-View to obtain all management functions offered by the software from any location with no need for presence on site.

The user can remotely control the automation via GSM, from any of the enabled numbers, and check status, such as opening a gate by means of a phone call or by sending 4 different controls via SMS text message, with the security offered by entry of a unique password.

PC

PDA

O-View
with module
OVBTGSM

BUS T4

Accessories

Code	Description
OVA1	Clamp for fitting connectors RJ14
OVA2	Connectors RJ14, type 6/4, for flat 4-wire cable
OVA3	RJ14 splitters, type 6/4, for cascade connection of devices on BUS T4 network
OVA4	Flat 4-wire cable for connection of devices on BUS T4 network, length 100 m

Nice O-View Software Suite

O-View Software Suite

This application, supplied with OVBT and OVBTGSM, as well as expanding the functions of O-View enables the creation of a database of installations with personal data of clients and configurations of each system, even on more complex versions.

There are two versions of software: "O-View Desktop" designed for installation on a PC and "O-View Mobile" which enables use of the functions of the desktop version on a smaller screen of a PDA or Smartphone.

By connecting to the site www.niceservice.com users can download the constantly updated firmware and software versions.

Minimum requirements

O-View Mobile version for PDA palmtop:
- Processor: (300 MHz) Recommended by Nice: (> 300 MHz)
- RAM: 64 MB Recommended by Nice: 128 MB
- Storage memory: 5 MB Recommended by Nice: 20 MB
- Operating system: Windows® Mobile 2003
  Recommended by Nice: Windows® 5.0 or later
- Connection: Bluetooth®
- Graphics resolution: 240 x 320, 256 colours
- PC with: CD-Rom (required for software installation on palmtop).

O-View Desktop version for PC:
- Processor: type AMD®/Intel® (500 MHz)
  Recommended by Nice: type AMD®/Intel® (1 GHz)
- RAM: 128 MB Recommended by Nice: 256 MB
- Free space on disk: 280 MB Recommended by Nice: 512 MB
- Operating system: Windows® 98 SE or later
  Recommended by Nice: Windows® 2000 or later
- Connection: Bluetooth®
- Graphics resolution: 800 x 600, 256 colours
- Disk drive: CD-Rom (required for installation).

Note – software installation includes installation of the program Microsoft®.NET Framework Redistributable 2.0.

The application **"O-View Software Suite"** enables the creation and management of a database of your systems and client data.

All installation parameters under control, right from your desk.

The device status check is instant. Thanks to **"O-View Software Suite"** all motor parameters can be checked, such as torque, voltage or speed, directly from the PC or PDA.

Nice Opera

Management of the One series transmitters, even in large numbers,
is now fast and simple with the option for remote control,
and the creation of a database thanks to the software supplied.

O-Box

One transmitters

One receivers

An even more extended system

The guarantee of efficient assistance for all customers:
The software "O-Box Software Suite" enables the creation of a database for easy and quick management of programming new receivers or new associated functions.
With the aid of O-Box, connected to the PC via USB (OBOX and OBOXB) or to the PC or PDA via Bluetooth (OBOXB and OBOX2B), the installer simply needs to enter the receiver "Certificate" in the memory of the transmitter to be enabled and then send it to the user ready for use.
On delivery of the first commands, the receiver recognises its certificate sent from the radio control and memorises it automatically.

Your databases maintained and updated

O-Box manages all programmed settings made via BUPC, MOU, CVU and SMU. It also enables the import of databases previously created using the software for BUPC and MOU to the "O-Box Software Suite".

The configuration of the radio system in Mode 2 and Extended Mode 2 is now simple and immediate: the client now has the top level of remote control personalisation options.

Equipped with encoding systems O-Code with 72 Bit Rolling Code making transmissions safer and reducing automation response times.

The transmitters are easy to enable thanks to the "Identity Code", without intervention of the installer.
Each transmitter has an Identity code transferrable to a new version to be enabled.
Just place the transmitters close to one another and press a sequence of keys: on the first radio transmission, the built-in receiver automatically recognises and memorises the Identity Code.

Range of latest generation receivers compatible with the One system of transmitters.

Implementation of the new transmitters in existing systems is now much easier.
Each receiver has a code that identifies and certifies it hence the name "Certificate".

On the version with built-in transmitter, the receivers can also be used as signal repeaters, thus increasing the operating range of the transmitters and other possible receivers in the system. The Certificates also enable programming via radio directly from O-Box.

Thanks to the brand now control unit **OX4T**, which integrates the functions of the Opera receivers, including that of repeater, with the capacity to extend the control functions of the Opera system to any automation for gates, garage doors, barrier gates, shutters, awnings, blinds, irrigation and lighting systems.

Transmitters

Receivers

OX4T

Lighting

Shutter
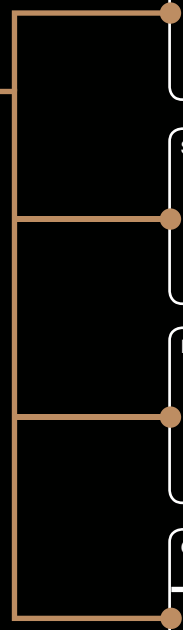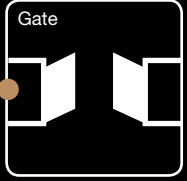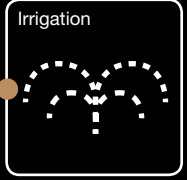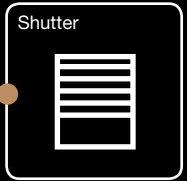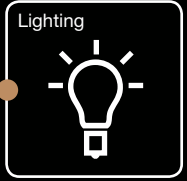
Irrigation

Gate

To extend control
of the Nice Opera
system to any
automation for
gates, garage
doors, barrier gates,
shutters, awnings,
blinds, irrigation
and lighting systems.

O-Box / O-Box B

The connection interface O-Box
is available in two versions:

O-Box
with USB connection cable supplied;

O-BoxB
with USB connection cable
and integrated Bluetooth module.

1 USB

2 Bluetooth

The software
"O-Box Software Suite"
can be installed quickly
and with the utmost of ease
either on PC (version O-Box
Desktop) on a palmtop
PDA or mobile phone
(version O-Box Mobile).

PDA

PC

Nice O-Box

New Dual Band version

O-Box is the revolutionary connection interface which, thanks to the dedicated software **"O-Box Software Suite"**, enables **the configuration and programming directly from the PC or PDA,** practically and intuitively, **all transmitters, receivers and other Nice control devices.**

The convenience of remote control:
O-Box enables a number of tasks to be performed directly from the office, without the need to visit the client's system. For example the operator can program the functions and parameters of transmitters with the utmost of ease, and send them already configured and operative to the clients.

It is also possible to:
- program transmitters in the One series via radio;
- manage all functions via radio of the receivers in the One series fitted with built-in transmitter;
- read and write transponder badges in the Moon series;
- receive data via radio from transmitters in the series Smilo, VeryVE, Flo, VeryVR, FloR, One, Niceway or via optical reader for transmitters in the Bio series;
- program receivers in the series Smilo, Bio, FloR and One and memories of the control devices MOMB, MOTB and MORX;
- create and manage an updated database with personal data of clients and configurations of the receivers installed in the respective systems.

O-Box interfaces with your PC or PDA palmtop, performing the control, entry, deletion, enabling or disabling of codes, programming of the memory, functions and typical parameters of the receivers, transmitters and other Nice control devices.

The software "O-Box Software Suite" can be installed quickly and easily either on PC (O-Box Desktop version) or on PDA palmtop (O-Box Mobile version).

Universal: O-Box manages all programming procedures possible by means of BUPC and MOU. It also enables import of databases previously created using the software for BUPC and MOU.

Code	Description
OBOX	Connection interface complete with software "O-Box Software Suite" with USB connection cable supplied. For devices at 433.92 MHz
OBOXB	Connection interface complete with software "O-Box Software Suite" with USB connection cable and integrated Bluetooth module. For devices at 433.92 MHz
OBOX2	Connection interface complete with software "O-Box Software Suite" with USB connection cable supplied. Dual Band, for devices at 433.92/868.46 MHz
OBOX2B	Connection interface complete with software "O-Box Software Suite" with USB connection cable and integrated Bluetooth module. Dual Band, for devices at 433.92/868.46 MHz

Technical specifications

Code	**OBOX**	**OBOXB**	**OBOX2**	**OBOX2B**
Frequency reception (MHz)	433.92		433.92/868.46	
Estimated range (m)	10			
Communication with Windows	USB, RS232	Bluetooth, USB, RS232	USB, RS232	Bluetooth, USB, RS232
Communication with Windows Mobile	-	Bluetooth	-	Bluetooth
Working temp. (°C Min/Max)	-20 : +55			
Dimensions (mm)	195x116x48			
Weight (kg)	412	418	412	418

Accessories

Code	Description
ALA1	Battery charger power supply unit
CABLA01	Cable for connecting O-Box to the computer via the RS232 port
CABLA02	Optical reader for programming transmitters in the series "Bio" and "FloR"
CABLA03	Cable for cloning transmitters in the series "Very"
CABLA04	Cable for cloning transmitters in the series "Bio" and "FloR"
CABLA05	Cable for programming tubular motors for awnings and shutters, equipped with port TTBUS
CABLA06	Cable for programming receivers universal in the series "SMX" and "OX"
CABLA07	Cable for cloning transmitters in the series "Ergo" and "Plano"

Note on CABLA accessories:
O-Box is only supplied with the USB cable; all other cables are optional and are not supplied in the pack.

Minimum software installation requirements

O-Box Mobile version for PDA palmtop:
- Processor: (300 MHz) Recommended by Nice: (> 300 MHz)
- RAM: 64 MB Recommended by Nice: 128 MB
- Storage memory: 5 MB Recommended by Nice: 20 MB
- Operating system: Windows® Mobile 2003
  Recommended by Nice: Windows® 5.0 or later
- Connection: Bluetooth®
- Graphics resolution: 240 x 320, 256 colours
- PC with: CD-Rom (required for software installation on palmtop).

O-Box Desktop version for PC:
- Processor: type AMD®/Intel® (500 MHz)
  Recommended by Nice: type AMD®/Intel® (1 GHz)
- RAM: 128 MB Recommended by Nice: 256 MB
- Free space on disk: 280 MB Recommended by Nice: 512 MB
- Operating system: Windows® 98 SE or later
  Recommended by Nice: Windows® 2000 or later
- Connection: Bluetooth®
- Graphics resolution: 800 x 600, 256 colours
- Disk drive: CD-Rom (required for installation).

Note – software installation includes installation of the program
Microsoft®.NET Framework Redistributable 2.0.

Nice One

The complete range of hand-held transmitters with management of Identity Codes and Certificates, self-learning and built-in proximity receiver.
With O-Code encoding at 72 Bit, also compatible with receivers using Nice FloR encoding (only for One version at 433.92 MHz).

The **One system** comprises transmitters at 1, 2, 4 and 9 channels and receivers with connector, pre-wired, with and without built-in transmitter.

Wide selection of models at:
- **433.92 MHz, Rolling Code** using **AM amplitude modulation.**
  Also available in the version with sequential encoding and multiple entry (OneC).
- **868.46 MHz, Rolling Code** using **FM frequency modulation,** less sensitive to disturbance with respect to AM amplitude modulation, ensuring safer transmissions and reducing automation response times.

Safe and evolved: use of calculation and recognition system to increase security and reduce automation response times by up to three times.

With a **built-in proximity receiver**, which thanks to the exchange of the **Identity Code** between the two radio controls, enables memorisation of a new transmitter using one already enabled on the receiver.

Rapid entry, without the need for cable connections: thanks to **Certificate management and the interface O-Box,** a One transmitter can be enabled without the need to be present at the system, by simply positioning it in the vicinity of O-Box and starting up the **guided procedure from PC or PDA.**

Possibility of programming **identity codes and 9 certificates** of the receivers.

The **OneC** model makes it possible to memorise entire packs in one operation, without even having to open them.

A practical and stylish transmitter, One can be used as a refined and technological key ring or be wall-mounted or fitted to the dashboard of your car, thanks to the handy support included in the pack.

ON1 ON1C	ON2 ON2C	ON4 ON4C	ON9
ON1FM	ON2FM	ON4FM	ON9FM

Code	Description
ON1	1 channel, 433.92 MHz, colour graphite
ON1C	1 channel, 433.92 MHz, colour graphite, with sequential encoding and multiple entry
ON2	2 channels, 433.92 MHz, colour graphite
ON2C	2 channels, 433.92 MHz, colour graphite, with sequential encoding and multiple entry
ON4	4 channels, 433.92 MHz, colour graphite
ON4C	4 channels, 433.92 MHz, colour graphite, with sequential encoding and multiple entry
ON9	9 channels, 433.92 MHz, colour graphite
ON1FM	1 channel, 868.46 MHz, colour white
ON2FM	2 channels, 868.46 MHz, colour white
ON4FM	4 channels, 868.46 MHz, colour white
ON9FM	9 channels, 868.46 MHz, colour white

Technical specifications

	Carrier frequency	Estimated range	Encoding	Power supply	Battery lifetime	Protection rating	Dimensions Weight
ON_, ON_C	433.92 MHz	200 m (outdoors); 35 m (inside buildings)*	O-Code 72 bit; rolling code	3 Vdc; lithium battery type CR2032	2 years (with 10 transmissions per day)	IP40 (use in protected environments)	44x55x10 h mm 11 g
ON_FM	868.46 MHz						

* The range of the transmitters and reception capacity of the receivers is strongly influenced by other devices operating in the area at the same frequency.

The complete range of multicode receivers with management of Identity Codes and Certificates.

With connector, pre-wired,
with and without built-in transmitter.

Available in two versions:
• 433.92 MHz;
• 868.46 MHz.

Each receiver in the series One has its own secret **identification number** known as a **Certificate** to distinguish it from all others. The Certificate can also be programmed on the transmitter in the One range which uses it as an enable code to interact with the receiver.

Practical and functional:
the built-in transmitter of the receivers OXIT/OXITFM and OX2T/OX2TFM enables **bi-directional communication with the multi-functional O-Box interface;** enables operations such as download of radio codes, management of certificates and passwords directly on the receiver, also when located in positions difficult to access.

3 password-protected levels.

Internal transmitter:
the receivers OXIT/OXITFM and OX2T/OX2TFM can be used as signal repeaters to increase the operating distance between transmitters and other possible receivers in the One series. By means of O-Box, the new receivers in the One series can also be interfaced with a PC or PDA for simple and rapid programming of certificates.

3 programming modes.

Multicode:
receivers in the One series are compatible with the transmitters with encoding system O-code One at 868.46 MHz and at 433.92 MHz and Smilo, Flo, FloR, TTS (only for One at 433.92 MHz) for multi-group transmission, which enables the delivery of multiple commands simultaneously from a single transmitter.

Receivers

433.92 MHz, with connector

Codice	Description
OXI	4 channels, without built-in transmitter
OXIT	4 channels, with built-in transmitter

868.46 MHz, with connector

Codice	Description
OXIFM	4 channels, without built-in transmitter
OXITFM	4 channels, with built-in transmitter

433.92 MHz, pre-wired

Codice	Description
OX2	2 channels, without built-in transmitter
OX2T	2 channels, with built-in transmitter

868.46 MHz, pre-wired

Codice	Description
OX2FM	2 channels, without built-in transmitter
OX2TFM	2 channels, with built-in transmitter

Technical specifications

	Frequency reception	Frequency transmission	Impedance input	Sensitivity	Decoding	Number of channels	Contact relay	Power supply	Absorption	Protection rating	Dimensions weight
OXI	433.92 MHz	-	52 Ohm	>0,5 µ V for signal successful	O-Code, Smilo, FloR, Flo, TTS	4 (15 on BUS T4)	-	5 Vdc	30 mA (max)	IP 30	50x19x45 h mm, 20 g
OXIT		433.92 MHz									
OX2		-				2	max 0.5 A 50 V (NA)	from 12 to 28 Vdc/Vac	80 mA (max) with relays active		58x86x22 h mm, 55 g
OX2T		433.92 MHz									
OXIFM	868.46 MHz	-		>0,8 µ V for signal successful	O-Code	4 (15 on BUS T4)	-	5 Vdc	30 mA (max)		50x19x45 h mm, 20 g
OXITFM		868.46 MHz									
OX2FM		-				2	max 0.5 A 50 V (NA)	from 12 to 28 Vdc/Vac	100 mA (max) with relays active		58x86x22 h mm, 55 g
OX2TFM		868.46 MHz									

Nice OX4T

NRC

Opera

Universal 4-channel receiver in the One series, with built-in transmitter.
Equipped with BUS T4 connector for connection to O-View.

For remote control of any automation on gates, garage doors, road barriers, shutters, awnings, venetian blinds, irrigation and lighting systems or other electrical circuits.

Compatible with encoding systems O-Code, TTS, FloR, Smilo and Flo.

OX4T manages 4 outputs controlled by 4 relays, usable as power relays or voltage-free contacts, to extend use of the Opera system also to devices with specific provisions.

Controlled by the same transmitter, all automations for gates, garage doors, barrier gates, shutters, awnings and other current loads, also with timer options. The output relays can be associated with specific functions for the control of Venetian blinds.

OX4T can be connected via radio to the interface O-Box and via BUS T4 to the multifunction display O-View, to enable programming, diagnostics, timed functions and management of codes, also remotely by means of the modules OVBT and OVBTGSM.

Thanks to the internal transmitter, OX4T can be used as a repeater, thereby increasing the operating range between transmitters and other receivers in the One series.

2 programming modes: "Mode I" and the new "extended Mode II" which enables expansion of the number of controls to up to 14.

Multicode: OX4T is also compatible with the transmitters with encoding system O-code, Smilo Flo, FloR, FloR and TTS with or without self-learning, for multicode transmission, which enables the delivery of simultaneous commands from a single transmitter.

OX4T is fitted with removable terminals to facilitate connections and a generously sized memory to enable storage of up to 1024 transmitters, with the option for password protection.
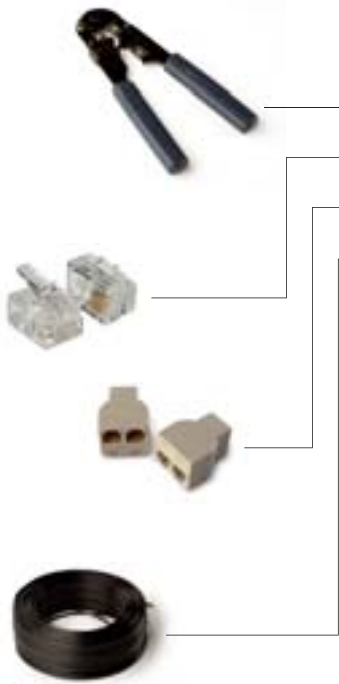
Code	Description
OX4T	Universal 4-channel receiver with built-in transmitter

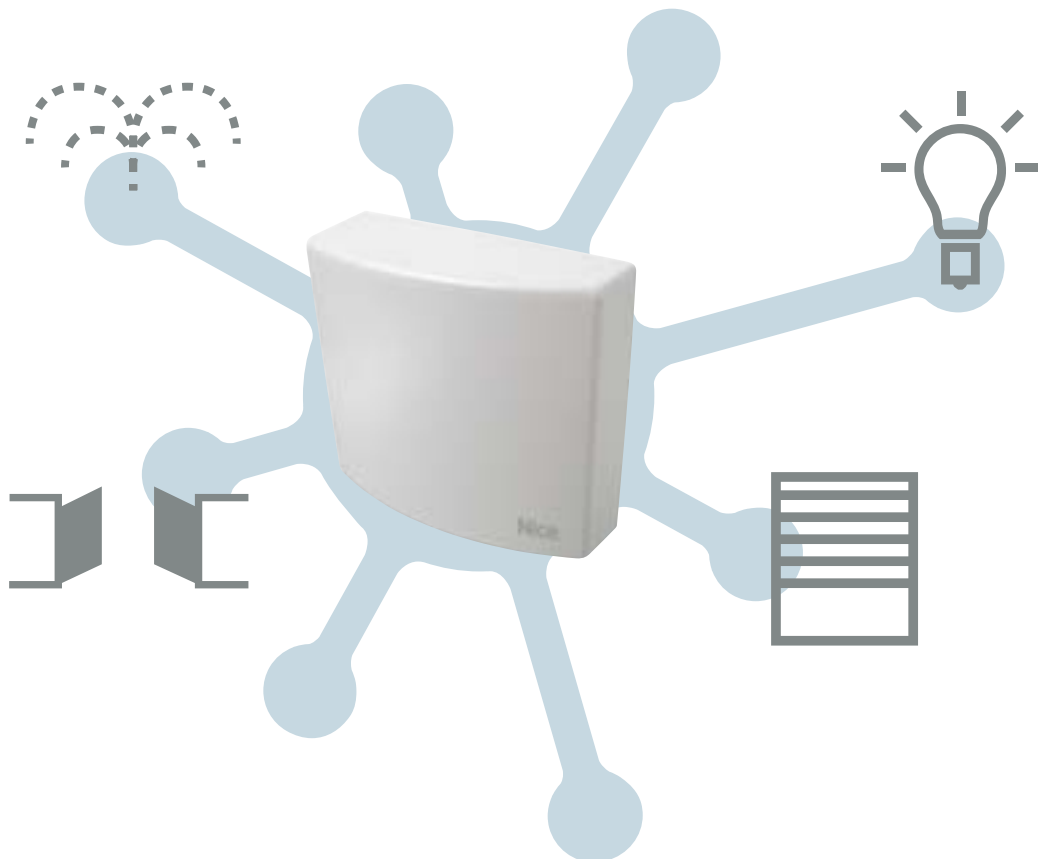## Technical specifications

Power supply (Vac 50/60 Hz)	: 110 ÷ 240
Maximum absorbed current (mA)	: 80
Encoding	: O-Code / TTS / FloR (rolling code); or Smilo (rolling code) or Flo
Frequency (MHz)	: 433.92
Antenna impedance (ohm)	: more than 0.5 for successful signal
Estimated range (m)	: 200 in open spaces 35 if inside buildings
Radiated power (dBm)	: +2
Max. capacity of transmitter memory	: 1024 (maximum)
Outputs	: 4 relays with NO and NC contacts, voltage-free
Contact capacity	: 5 A - 250 V
Timer times	: programmable from 2 seconds to 540 minutes
Protection rating (IP)	: 44 (with container intact)
Working temp. (°C Min/Max)	: from -20° to +55°
Dimensions (mm)	: 128x112x43 h
Weight (g)	: 260

20 Nice Opera

Accessories

| Code	Description
OVA1	Clamp for fitting connectors RJ14
OVA2	Connectors RJ14, type 6/4, for flat 4-wire cable
OVA3	RJ14 splitters, type 6/4, for cascade connection of devices on BUS T4 network
OVA4	Flat 4-wire cable for connection of devices on BUS T4 network, length 100 m

Main entrance

Internal car park

Opera enables management of a complex system of automations from just one screen on the PC.

Hotels, hospitals, large buildings with high attendance numbers...
All automations just a click away!

Warehouse entrance

Secondary entrance

Permits
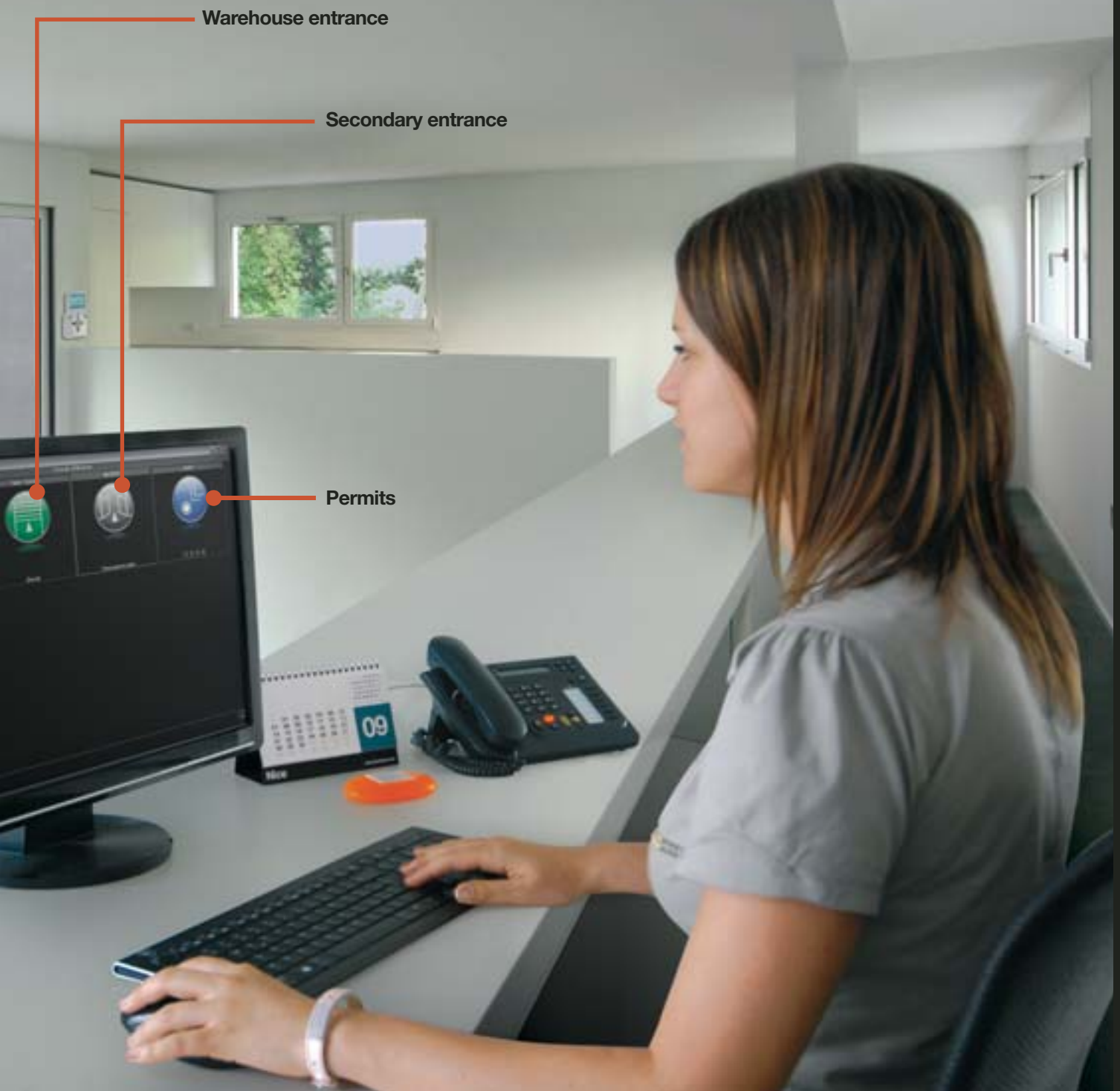
Click...
Nice will take care of it!

With a single Nice transmitter
the alarm systems and automations
for gates, garage, awnings
and rolling shutters, as well
as lighting and irrigation,
are always under control.

NiceLoveEarth

Nice cares for the environment.
Using natural paper it avoids excessive
use of raw materials and forest exploitation.
Waste is reduced, energy is saved
and climate quality is improved.

Nice

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products and services on the website:
www.niceforyou.com