

Perseo®

PUBLIC

The **Perseo** system is a hotel control and management system, focussing on security and energy savings.

The system receives and transmits data using the networking technology and an FTT-10 transceiver which enables free topology connections.

The management software is the real heart of the system, used by operators to carry out all ordinary and extraordinary administration.

The system operating environment comprises a graphic interface which operates on the Microsoft Windows® platform.

Some of the main functions available through the software are:

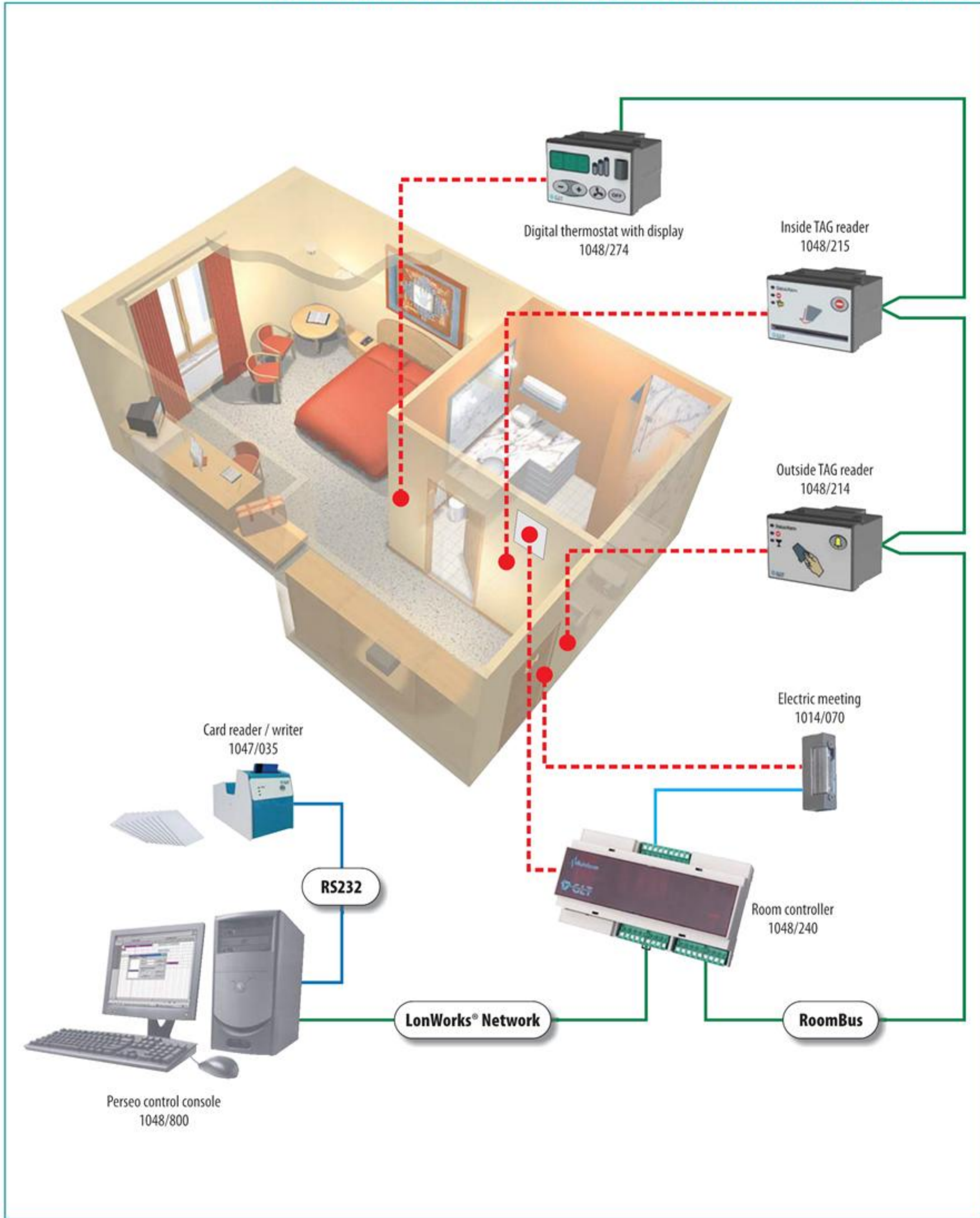
- ▶ Management of booking, check-in and check-out
- ▶ Receipt of pertinent alarms (bathroom SOS, intrusion, fire, etc.)
- ▶ Check on the operation of devices and display of room status: free, booked, assigned, occupied, being cleaned, etc.
- ▶ Change in operation parameters, such as the room temperature set point
- ▶ Timed programming of temperatures over 24 hours
- ▶ Timed setting of fan coil speed
- ▶ Issue of timed commands for the activation of utilities distributed throughout the structure
- ▶ Access to the system memory files
- ▶ Performance of network diagnostic operations
- ▶ Management of common technological equipment.

Created especially for the reception sector, it is able to satisfy a multitude of requirements and integrate various systems, generating a final result characterised by better service, greater security, savings on running costs and consumption.

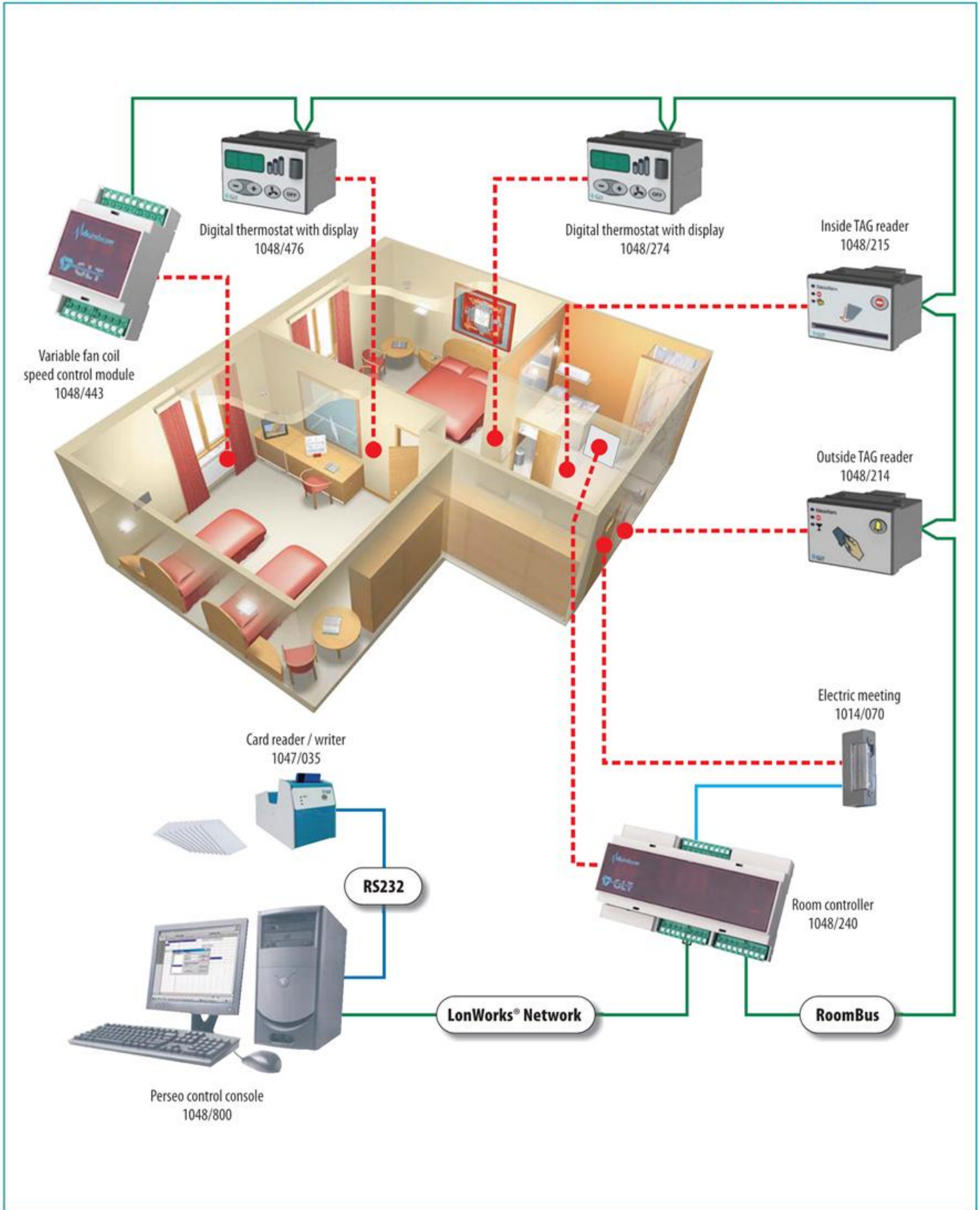


The luxury of a 5-star system.

APPLICATIVE EXAMPLE – AIR-CONDITIONED SINGLE ROOM WITH TAG TRANSPONDER READER



APPLICATIVE EXAMPLE – DIFFERENTIATED AIR-CONDITIONED DOUBLE ROOM WITH TAG TRANSPONDER READER



ROOM CONTROLLER MODULES FOR ROOM MANAGEMENT



1048/042

LonWorks® Room Controller. Power supply: 230Vac

The Room Controller module is a device for the control and management of the automated functions of a hotel room.

The firmware installed interacts with external modules such as chip card readers, transponder readers and thermostats, enabling full control of access, temperature and alarms.

Features and performance

- ▶ Power supply: 230Vac
- ▶ Max. absorption of the module: 16 VA
- ▶ 8 optoinsulated digital inputs
- ▶ 4 6A 250Vac relay outputs (with resistive charge)
- ▶ 4 open collector outputs for connection of art. 1048/090
- ▶ Interface with the LonWorks® network built into the device
- ▶ Removable terminals
- ▶ Installable on 9 DIN modules
- ▶ Measurements: 159.4 (W) x 58.3 (H) x 90.5 (D) mm



1048/043

LonWorks® Room Controller with 8 configurable inputs. Power supply 12Vdc/Vac

The Room Controller module is a device for the control and management of the automated functions of a hotel room.

The firmware installed interacts with external modules such as chip card readers, transponder readers and thermostats, enabling full control of access, temperature and alarms.

Features and performance

- ▶ Power supply: 12Vdc/Vac
- ▶ Max. absorption of the module: 500mA
- ▶ 8 optoinsulated digital inputs
- ▶ 8 6A 250Vac relay outputs (with resistive charge)
- ▶ Interfaces with the LonWorks® and RoomBus networks built into the device
- ▶ Removable terminals
- ▶ Installable on 6 DIN modules
- ▶ Measurements: 106.3 (W) x 58.3 (H) x 90.5 (D) mm



1048/240

LonWorks® Room Controller. Power supply: 230Vac

The Room Controller module is a device for the control and management of the automated functions of a hotel room.

The firmware installed interacts with external modules such as chip card readers, transponder readers and thermostats, enabling full control of access, temperature and alarms.

Features and performance

- ▶ Power supply: 230Vac
- ▶ Max. absorption of the module: 16 VA
- ▶ 8 optoinsulated digital inputs
- ▶ 3 250Vac 6A relay outputs for fan coil speed
- ▶ 1 max.48Vac relay output for electric lock
- ▶ 2 6A 250Vac relay outputs (with resistive charge)
- ▶ 1 6A 250Vac relay output for courtesy light
- ▶ 1 6A 250Vac relay output for room utility remote switch
- ▶ 4 2k open collector outputs for connection of art. 1048/091
- ▶ Interfaces with the LonWorks® and RoomBus networks built into the device
- ▶ Removable terminals
- ▶ Installable on 9 DIN modules
- ▶ Measurements: 159.4 (W) x 58.3 (H) x 90.5 (D) mm



1048/242

LonWorks® Room Controller RoomBus with 2 configurable inputs. Power supply 12Vdc/Vac

The Room Controller module is a device for the control and management of the automated functions of a hotel room.

The firmware installed interacts with external modules such as chip card readers, transponder readers and thermostats, enabling full control of access, temperature and alarms.

Features and performance

- ▶ Power supply: 12Vdc/Vac
- ▶ Max. absorption of the module: 250mA
- ▶ 2 optoinsulated digital inputs
- ▶ 2 6A 250Vac relay outputs (with resistive charge)
- ▶ Interfaces with the LonWorks® and RoomBus networks built into the device
- ▶ Removable terminals
- ▶ Installable on 3 DIN modules
- ▶ Measurements: 53.1 (W) x 58.3 (H) x 90.5 (D) mm



1048/243

Room Controller RoomBus. Power supply 12Vdc/Vac

The Room Controller module is a device for the control and management of the automated functions of a hotel room. The firmware installed interacts with external modules such as chip card readers, transponder readers and thermostats, enabling full control of access, temperature and alarms. For use with article 1048/200.

Features and performance

- ▶ Power supply: 12Vdc/Vac
- ▶ Max. absorption of the module: 500mA
- ▶ 8 optoinsulated digital inputs
- ▶ 8 6A 250Vac relay outputs (with resistive charge)
- ▶ Interface with the RoomBus network built into the device
- ▶ Removable terminals
- ▶ Installable on 6 DIN modules
- ▶ Measurements: 106.3 (W) x 58.3 (H) x 90.5 (D) mm

**1048/200****LonWorks® RoomBus concentrator module. Power supply 12Vdc/Vac**

The concentrator module is a device for the control and management of the functions of 4 1048/243 modules.

Features and performance

- ▶ Power supply: 12Vdc/Vac
- ▶ Max. absorption of the module: 500mA
- ▶ Interface with the LonWorks® network built into the device
- ▶ Interface with the RoomBus network built into the device
- ▶ Removable terminals
- ▶ Installable on 6 DIN modules
- ▶ Measurements: 106.3 (W) x 58.3 (H) x 90.5 (D) mm

**1048/045****Dual input expansion module**

The expansion module allows the connection of 2 readers art. 1048/053 outside the room and 2 readers art. 1048/064 inside the room.

Features and performance

- ▶ Power supply: 12Vdc
- ▶ Max. absorption of the module: 100mA
- ▶ Direct control for electric meeting
- ▶ Removable terminals
- ▶ Installable on 3 DIN modules
- ▶ Measurements: 53.1 (W) x 58.3 (H) x 90.5 (D) mm

**1048/090****Expansion module for 1048/042 for piloting fan coil**

The relay module enables the piloting of 4 outputs.

Features and performance

- ▶ Power supply: 12Vdc
- ▶ Max. absorption of the module: 150mA
- ▶ 4 6A 250Vac relay outputs (with resistive charge)
- ▶ Removable terminals
- ▶ Installable on 3 DIN modules
- ▶ Measurements: 53.1 (W) x 58.3 (H) x 90.5 (D) mm

**1048/091****Auxiliary relay module for 1048/240**

The relay module enables the piloting of 4 6A exchange outputs.

Features and performance

- ▶ Power supply: 12Vdc
- ▶ Max. absorption of the module: 150mA
- ▶ 4 6A 250Vac relay outputs (with resistive charge)
- ▶ Removable terminals
- ▶ Installable on 3 DIN modules
- ▶ Measurements: 53.1 (W) x 58.3 (H) x 90.5 (D) mm

ROOM TEMPERATURE CONTROL DEVICES



1048/074

Digital thermostat with display

The device is an environment thermostat which senses and regulates the temperature, controls the speed of the fan coil connected to the Room Controller module. It interacts with the room management modules. The maximum connection distance between the module and Room Controller is 10 m.

Features and performance

- ▶ Power supply: 12Vdc
- ▶ Max. absorption of the module: 35mA
- ▶ Led display indicating temperature, set point and fan coil speed
- ▶ Temperature sensed to a precision of $\pm 0.5^{\circ}\text{C}$
- ▶ +/- buttons to regulate temperature
- ▶ Fan coil speed regulation button
- ▶ OFF button
- ▶ Removable terminals
- ▶ Housing for box 503, multiplate complete with adapters
- ▶ Measurements: 66.45 (W) x 44 (H) x 59.1 (D) mm



1048/082

Frequency/pulsed temperature probe

The device is a probe which senses the temperature inside the room where it is installed. The maximum connection distance between the module and Room Controller is 20 m.

Features and performance

- ▶ Power supply: 12Vdc
- ▶ Max. absorption of the module: 20mA
- ▶ Temperature sensed to a precision of $\pm 0.5^{\circ}\text{C}$
- ▶ Removable terminals
- ▶ Housing for box 503, multiplate complete with adapters
- ▶ Measurements: 66.45 (W) x 44 (H) x 59.1 (D) mm



1048/083

Frequency/pulsed display temperature probe

The device is a probe which senses and displays the temperature inside the room where it is installed. The maximum connection distance between the module and Room Controller is 10 m.

Features and performance

- ▶ Power supply: 12Vdc
- ▶ Max. absorption of the module: 35mA
- ▶ Led signalling display
- ▶ Temperature sensed to a precision of $\pm 0.5^{\circ}\text{C}$
- ▶ Communication via a single frequency wire
- ▶ Button to display temperature
- ▶ Removable terminals
- ▶ Housing for box 503, multiplate complete with adapters
- ▶ Measurements: 66.45 (W) x 44 (H) x 59.1 (D) mm



1048/274

Room Bus Digital thermostat with display

The device is an environment thermostat which senses and regulates the temperature, controls the speed of the fan coil connected to the Room Controller module. The maximum connection distance between the thermostat and Room Controller is 50 m.

Features and performance

- ▶ Power supply: 12Vdc - Max. absorption of the module: 35mA
- ▶ Interface with the RoomBus network built into the device
- ▶ Led display indicating temperature, set point and fan coil speed
- ▶ Temperature sensed to a precision of $\pm 0.5^{\circ}\text{C}$
- ▶ +/- buttons to regulate temperature
- ▶ Fan coil speed regulation button
- ▶ OFF button
- ▶ Removable terminals
- ▶ Housing for box 503, multiplate complete with adapters
- ▶ Measurements: 66.45 (W) x 44 (H) x 59.1 (D) mm



1048/275

RoomBus digital thermostat with display, without fan coil speed controls

The device enables the simple regulation of the air-conditioning/heating system installed in the hotel, based upon the calibration of the set point. The display on the front shows the set point and the temperature inside the room where it is installed.

The maximum connection distance between the thermostat and Room Controller is 50 m.

Features and performance

- ▶ Power supply: 12Vdc - Max. absorption of the module: 35mA
- ▶ Interface with the RoomBus network built into the device
- ▶ Led signalling display per visualizzazione temperatura, set point e velocità fan coil
- ▶ Temperature sensed to a precision of $\pm 0.5^{\circ}\text{C}$
- ▶ +/- buttons to regulate temperature
- ▶ OFF button
- ▶ Removable terminals
- ▶ Housing for box 503, multiplate complete with adapters
- ▶ Measurements: 66.45 (W) x 44 (H) x 59.1 (D) mm



1048/276

Termostato digitale RoomBus universale con display

The device is an environment thermostat which senses and regulates the temperature, controls the speed of the fan coil connected to the Room Controller module.

The maximum connection distance between the module and Room Controller is 50 m.

Features and performance

- ▶ Power supply: 12Vdc - Max. absorption of the module: 35mA
- ▶ Interface with the RoomBus network built into the device
- ▶ 1 input for window contact plus 1 configurable input
- ▶ 2 12Vdc 500mA output relays
- ▶ Led signalling display per visualizzazione temperatura, set point e velocità fan coil
- ▶ Temperature sensed to a precision of $\pm 0.5^{\circ}\text{C}$
- ▶ +/- buttons to regulate temperature
- ▶ Fan coil speed regulation button
- ▶ OFF button
- ▶ Removable terminals
- ▶ Housing for box 503, multiplate complete with adapters
- ▶ Measurements: 66.45 (W) x 44 (H) x 59.1 (D) mm

DUAL CONDITIONING DEVICES



1048/441

RoomBus module for the management of the 2/4 pipe fan coil

The device is used to manage dual conditioning: the set point values and speeds to activate are set on the thermostat 1048/476. To be interfaced with module 1048/240, maximum distance 50 m.

Features and performance

- ▶ Power supply: 12Vdc
- ▶ Max. absorption of the module: 200mA
- ▶ 2 optoinsulated digital inputs
- ▶ 3 250Vac 6A relay outputs for fan coil speed control
- ▶ 4 24V 500mA relay outputs for solenoid control
- ▶ Interface with the RoomBus network built into the device
- ▶ Removable terminals
- ▶ Installable on 3 DIN modules
- ▶ Measurements: 53.1 (W) x 58.3 (H) x 90.5 (D) mm



1048/443

RoomBus module for the variable management of the fan coil speed

The device is used to manage dual conditioning: the set point values and speeds to activate are set on the thermostat 1048/476. To be interfaced with module 1048/240, maximum distance 50 m.

Features and performance

- ▶ Power supply: 12Vdc
- ▶ Max. absorption of the module: 200mA
- ▶ 2 optoinsulated digital inputs
- ▶ 1 output for gradual speed regulation
- ▶ 4 24V 500mA relay outputs for solenoid control
- ▶ Interface with the RoomBus network built into the device
- ▶ Removable terminals
- ▶ Installable on 3 DIN modules
- ▶ Measurements: 53.1 (W) x 58.3 (H) x 90.5 (D) mm



1048/476

RoomBus digital thermostat with display

The device is an environment thermostat which senses and regulates the temperature, controls the speed of the fan coil connected to modules 1048/441 and 1048/443. The maximum connection distance from the Room Controller is 50 m.

Features and performance

- ▶ Power supply: 12Vdc
- ▶ Max. absorption of the module: 35mA
- ▶ Interface with the RoomBus network built into the device
- ▶ Led signalling display
- ▶ +/- buttons to regulate temperature
- ▶ Fan coil speed regulation button
- ▶ OFF button
- ▶ Removable terminals
- ▶ Housing for box 503, multiplate complete with adapters
- ▶ Measurements: 66.45 (W) x 44 (H) x 59.1 (D) mm

CONTROL DEVICES INSIDE ROOM

**1048/064****Reader to detect presence inside the room**

The device is a reader to detect a presence inside the room, which bases its operation on a micro switch inside the module, capable of communicating with the central control unit (Room Controller) and the software to indicate that the room is occupied.

Features and performance

- ▶ Power supply: 12Vdc
- ▶ Max. absorption of the module: 15mA
- ▶ Alarm and Do not disturb indication
- ▶ Button to enable "Do not disturb"
- ▶ Internal buzzer
- ▶ Fixed terminal
- ▶ Housing for box 503, multiplate complete with adapters
- ▶ Measurements: 66.45 (W) x 44 (H) x 59.1 (D) mm

**1048/215****RoomBus TAG transponder reader inside room**

The device is a card reader based on TAG transponder technology.

The introduction of a valid card into the special slot enables the room utilities and services.

It interacts with the Room Controller through the RoomBus connection, permitting interfacing up to a distance of 50 m.

Features and performance

- ▶ Power supply: 12Vdc
- ▶ Max. absorption of the module: 70mA
- ▶ Interface with the RoomBus network built into the device
- ▶ TAG transponder reader format ISO7816
- ▶ Indication of alarm, Do not disturb and Post at reception
- ▶ Button to enable "Do not disturb"
- ▶ Internal buzzer
- ▶ Removable terminals
- ▶ Housing for box 503, multiplate complete with adapters
- ▶ Measurements: 66.45 (W) x 44 (H) x 59.1 (D) mm

**1048/217****RoomBus TAG transponder reader inside room with 2 inputs and 2 outputs**

The device is a card reader based on TAG transponder technology.

The introduction of a valid card into the special slot enables the room utilities and services.

It interacts with the Room Controller through the RoomBus connection, permitting interfacing up to a distance of 50 m.

Features and performance

- ▶ Power supply: 12Vdc
- ▶ Max. absorption of the module: 70mA
- ▶ Interface with the RoomBus network built into the device
- ▶ TAG transponder reader format ISO7816
- ▶ 2 configurable inputs and 2 12Vdc 500mA relay outputs
- ▶ Indication of alarm, Do not disturb and Post at reception
- ▶ Button to enable "Do not disturb"
- ▶ Internal buzzer
- ▶ Removable terminals
- ▶ Housing for box 503, multiplate complete with adapters
- ▶ Measurements: 66.45 (W) x 44 (H) x 59.1 (D) mm


1048/251

RoomBus chip card reader inside room

The device is a card reader based on chip card technology. The introduction of a valid card into the special slot enables the room utilities and services.

It interacts with the Room Controller through the RoomBus connection, permitting interfacing up to a distance of 50 m.

Features and performance

- ▶ Power supply: 12Vdc - Max. absorption of the module: 25mA
- ▶ Interface with the RoomBus network built into the device
- ▶ Chip card reader format ISO7816
- ▶ Indication of alarm, Do not disturb and Post at reception
- ▶ Button to enable "Do not disturb"
- ▶ Internal buzzer
- ▶ Removable terminals
- ▶ Housing for box 503, multiplate complete with adapters
- ▶ Measurements: 66.45 (W) x 44 (H) x 59.1 (D) mm


1048/219
NEW

RoomBus universal reader inside room with 2 inputs and 2 outputs

The device is a card reader with dual TAG transponder and chip card technology. The introduction of a valid card into the special slot enables the room utilities and services.

It interacts with the Room Controller through the RoomBus connection, permitting interfacing up to a distance of 50 m.

Features and performance

- ▶ Power supply: 12Vdc - Max. absorption of the module: 30mA
- ▶ Interface with the RoomBus network built into the device
- ▶ TAG transponder and chip card reader format ISO7816
- ▶ 1 SOS button input and 1 configurable input
- ▶ 1 output for safe electronic meeting and 1 12Vdc 200mA relay output
- ▶ Indication of alarm, Do not disturb and Post at reception
- ▶ Button to enable "Do not disturb"
- ▶ Internal buzzer
- ▶ Removable terminals
- ▶ Housing for box 503, multiplate complete with adapters
- ▶ Measurements: 66.45 (W) x 44 (H) x 59.1 (D) mm


1048/263

RoomBus TAG transponder reader inside room

The device is a card reader based on TAG transponder technology. Specific for use with PVC or leather TAG transponder cards 1047/039. It interacts with the Room Controller through the RoomBus connection, permitting interfacing up to a distance of 50 m.

Features and performance

- ▶ Power supply: 12Vdc
- ▶ Max. absorption of the module: 70mA
- ▶ Interface with the RoomBus network built into the device
- ▶ TAG transponder reader format ISO7816
- ▶ Indication of alarm, Do not disturb and Post at reception
- ▶ Button to enable "Do not disturb"
- ▶ Internal buzzer
- ▶ Removable terminals
- ▶ Brass plate for box 503
- ▶ Measurements: 120 (W) x 85 (H) x 45 (D) mm

Article to order, for more information contact customer service

CONTROL DEVICES INSIDE ROOM



1048/531 - White resin



1048/5310T - Brass



1048/531AN - Antique effect

1048/531**Headboard model with 7 button – right side**

The module is a device to control the room functions.

It interacts with the Room Controller through the RoomBus connection, permitting interfacing up to a distance of 50 m.

Features and performance

- ▶ Power supply: 12Vdc
- ▶ Absorption: 25mA
- ▶ Interface with the RoomBus network built into the device
- ▶ Room light control
- ▶ Right night light control
- ▶ Left night light control
- ▶ Standard lamp control
- ▶ General lights off control
- ▶ Do not disturb signal control
- ▶ Electric lock control
- ▶ Removable terminals
- ▶ Frame and plate for box 506
- ▶ Measurements: 200 (W) x 82.5 (H) x 30 (D) mm

Article to order, for more information contact customer service



1048/532 - White resin



1048/5320T - Brass



1048/532AN - Antique effect

1048/532**Headboard model with 7 button – left side**

The module is a device to control the room functions.

It interacts with the Room Controller through the RoomBus connection, permitting interfacing up to a distance of 50 m.

Features and performance

- ▶ Power supply: 12Vdc
- ▶ Absorption: 25mA
- ▶ Interface with the RoomBus network built into the device
- ▶ Room light control
- ▶ Right night light control
- ▶ Left night light control
- ▶ Standard lamp control
- ▶ General lights off control
- ▶ Do not disturb signal control
- ▶ Electric lock control
- ▶ Removable terminals
- ▶ Frame and plate for box 506
- ▶ Measurements: 200 (W) x 82.5 (H) x 30 (D) mm

Article to order, for more information contact customer service



1048/533

RoomBus electronic for room function control

Module to control room function using a maximum of 12 general buttons.

It interacts with the Room Controller through the RoomBus connection, permitting interfacing up to a distance of 50 m.

Features and performance

- ▶ Power supply: 12Vdc
- ▶ Absorption: 25mA
- ▶ Interface with the RoomBus network built into the device
- ▶ Removable terminals
- ▶ Measurements: 150 (W) x 42 (H) x 25 (D) mm



1048/540 - White resin



1048/5400T - Brass



1048/540AN - Antique effect

1048/540

RoomBus console module with 8 function buttons

The console module is a device for the management and automation of the room functions.

It interacts with the Room Controller through the RoomBus connection, permitting interfacing up to a distance of 50 m.

Features and performance

- ▶ Power supply: 12Vdc
- ▶ Absorption: 25mA
- ▶ Interface with the RoomBus network built into the device
- ▶ Room light control
- ▶ Right night light control
- ▶ Standard lamp control
- ▶ General lights off control
- ▶ Do not disturb signal control
- ▶ Electric lock control
- ▶ Removable terminals
- ▶ Frame and plate for box 503
- ▶ Measurements: 120 (W) x 85 (H) x 30 (D) mm

Article to order, for more information contact customer service

1048/541

RoomBus console module with 10 function buttons

The console module is a device for the management and automation of the room functions.

It interacts with the Room Controller through the RoomBus connection, permitting interfacing up to a distance of 50 m.

Features and performance

- ▶ Power supply: 12Vdc
- ▶ Absorption: 25mA
- ▶ Interface with the RoomBus network built into the device
- ▶ TV controls: on, off, volume, change channel
- ▶ Room lights on and off control
- ▶ Open room door
- ▶ Shutter controls
- ▶ 1 button configurable to request
- ▶ Removable terminals
- ▶ Housing for box 503, multiplate complete with adapters
- ▶ Measurements: 66.45 (W) x 44 (H) x 59.1 (D) mm



**1048/542****RoomBus console module with 10 function buttons**

The console module is a device for the management and automation of the room functions.

It interacts with the Room Controller through the RoomBus connection, permitting interfacing up to a distance of 50 m.

Features and performance

- ▶ Power supply: 12Vdc
- ▶ Absorption: 25mA
- ▶ Interface with the RoomBus network built into the device
- ▶ TV controls: on, off, volume, change channel
- ▶ Room lights on and off control
- ▶ Button to enable "Do not disturb"
- ▶ Shutter controls
- ▶ 1 button configurable to request
- ▶ Removable terminals
- ▶ Housing for box 503, multiplate complete with adapters
- ▶ Measurements: 66.45 (W) x 44 (H) x 59.1 (D) mm

**1048/543****RoomBus console module with 6 function buttons**

The console module is a device for the management and automation of the room functions.

It interacts with the Room Controller through the RoomBus connection, permitting interfacing up to a distance of 50 m.

Features and performance

- ▶ Power supply: 12Vdc
- ▶ Absorption: 25mA
- ▶ Interface with the RoomBus network built into the device
- ▶ TV controls: on, off, volume, change channel
- ▶ 1 button configurable to request
- ▶ Removable terminals
- ▶ Housing for box 503, multiplate complete with adapters
- ▶ Measurements: 66.45 (W) x 44 (H) x 59.1 (D) mm

**1048/544****RoomBus console module with 10 function buttons**

The console module is a device for the management and automation of the room functions.

It interacts with the Room Controller through the RoomBus connection, permitting interfacing up to a distance of 50 m.

Features and performance

- ▶ Power supply: 12Vdc
- ▶ Absorption: 25mA
- ▶ Interface with the RoomBus network built into the device
- ▶ Fan coil controls: set point regulation, speed, off
- ▶ Shutter controls
- ▶ 3 buttons configurable to request
- ▶ Removable terminals
- ▶ Housing for box 503, multiplate complete with adapters
- ▶ Measurements: 66.45 (W) x 44 (H) x 59.1 (D) mm

ROOM ACCESS CONTROL DEVICES



1048/218



RoomBus universal reader outside room with 2 inputs and 2 outputs

The device is a card reader with dual TAG transponder and chip card technology and it controls access to the room.

It interacts directly with the RoomBus management modules.

Features and performance

- ▶ Power supply: 12Vdc
- ▶ Max. absorption of the module: 30mA
- ▶ Interface with the RoomBus network built into the device
- ▶ TAG transponder and chip card reader format ISO7816
- ▶ 1 input for door contact plus 1 configurable input
- ▶ 1 output for electronic meeting and 1 12Vdc 500mA relay output
- ▶ Room status, "Do not disturb indication", minibar and alarm SOS indication
- ▶ Removable terminals
- ▶ Housing for box 503, multiplate complete with adapters
- ▶ Measurements: 66.45 (W) x 44 (H) x 59.1 (D) mm



1048/214

RoomBus TAG transponder reader outside room

The device is a card reader based on TAG transponder technology and it controls access to the room.

It interacts directly with the RoomBus management modules.

Maximum distance 50 m.

Features and performance

- ▶ Power supply: 12Vdc
- ▶ Max. absorption of the module: 70mA
- ▶ Interface with the RoomBus network built into the device
- ▶ TAG transponder reader format ISO7816
- ▶ Room status, "Do not disturb indication", minibar and alarm SOS indication
- ▶ Internal buzzer activation button
- ▶ Removable terminals
- ▶ Housing for box 503, multiplate complete with adapters
- ▶ Measurements: 66.45 (W) x 44 (H) x 59.1 (D) mm



1048/216

RoomBus TAG transponder reader outside room with 2 inputs and 2 outputs

The device is a card reader based on TAG transponder technology and it controls access to the room.

It interacts directly with the RoomBus management modules.

Maximum distance 50 m.

Features and performance

- ▶ Power supply: 12Vdc
- ▶ Max. absorption of the module: 70mA
- ▶ Interface with the RoomBus network built into the device
- ▶ TAG transponder reader format ISO7816
- ▶ 2 configurable inputs
- ▶ 2 12Vdc 500mA output relays
- ▶ Room status, "Do not disturb indication", minibar and alarm SOS indication
- ▶ Internal buzzer activation button
- ▶ Removable terminals
- ▶ Housing for box 503, multiplate complete with adapters
- ▶ Measurements: 66.45 (W) x 44 (H) x 59.1 (D) mm

**1048/254****RoomBus TAG transponder reader outside room - second reader**

The device is a card reader based on TAG transponder technology and it controls access to the room. It interacts directly with the RoomBus management modules.

Maximum distance 50 m.

Features and performance

- ▶ Power supply: 12Vdc
- ▶ Max. absorption of the module: 70mA
- ▶ Interface with the RoomBus network built into the device
- ▶ TAG transponder reader format ISO7816
- ▶ Room status, "Do not disturb indication", minibar and alarm SOS indication
- ▶ Internal buzzer activation button
- ▶ Removable terminals
- ▶ Housing for box 503, multiplate complete with adapters
- ▶ Measurements: 66.45 (W) x 44 (H) x 59.1 (D) mm

**1048/250****RoomBus chip card reader outside room**

The device is a card reader based on chip card technology and it controls access to the room. It interacts directly with the RoomBus management modules.

Maximum distance 50 m.

Features and performance

- ▶ Power supply: 12Vdc
- ▶ Max. absorption of the module: 25mA
- ▶ Interface with the RoomBus network built into the device
- ▶ Chip card reader format ISO7816
- ▶ Room status, "Do not disturb indication", minibar and alarm SOS indication
- ▶ Internal buzzer activation button
- ▶ Removable terminals
- ▶ Housing for box 503, multiplate complete with adapters
- ▶ Measurements: 66.45 (W) x 44 (H) x 59.1 (D) mm

**1048/256****RoomBus chip card reader outside room - second reader**

The device is a card reader based on chip card technology and it controls access to the room. It interacts directly with the RoomBus management modules.

Maximum distance 50 m.

Features and performance

- ▶ Power supply: 12Vdc
- ▶ Max. absorption of the module: 25mA
- ▶ Interface with the RoomBus network built into the device
- ▶ Chip card reader format ISO7816
- ▶ Room status, "Do not disturb indication", minibar and alarm SOS indication
- ▶ Internal buzzer activation button
- ▶ Removable terminals
- ▶ Housing for box 503, multiplate complete with adapters
- ▶ Measurements: 66.45 (W) x 44 (H) x 59.1 (D) mm



1048/053

Chip card reader outside room. 10 wire configuration

The device is a card reader based on chip card technology and it controls access to the room. It interacts with RoomController 1048/042.

Maximum distance from the RoomController 10 m.

Features and performance

- ▶ Power supply: 12Vdc - Max. absorption of the module: 25mA
- ▶ Chip card reader format ISO7816
- ▶ Room status, "Do not disturb indication", minibar and alarm SOS indication
- ▶ Internal buzzer activation button
- ▶ Removable terminals - Housing for box 503, multiplate complete with adapters
- ▶ Measurements: 66.45 (W) x 44 (H) x 59.1 (D) mm



1048/114

TAG transponder reader outside room. 10 wire configuration

The device is a card reader based on TAG transponder technology and it controls access to the room. It interacts with Room Controller 1048/042.

Maximum distance from the RoomController 10 m.

Features and performance

- ▶ Power supply: 12Vdc - Max. absorption of the module: 60mA
- ▶ TAG transponder reader format ISO7816
- ▶ Room status, "Do not disturb indication", minibar and alarm SOS indication
- ▶ Internal buzzer activation button
- ▶ Removable terminals - Housing for box 503, multiplate complete with adapters
- ▶ Measurements: 66.45 (W) x 44 (H) x 59.1 (D) mm



1048/050

LonWorks® chip card reader

The device enables the control of the room access functions, it interfaces directly with the LonWorks® network and is usually used in conjunction with the Room Controller module, with which it interacts.

Features and performance

- ▶ Power supply: 12Vdc - Max. absorption of the module: 60mA
- ▶ Dorr status sensor input: GND - 4mA min
- ▶ Presence reader input: 12Vdc - 4mA min
- ▶ Electric meeting control output: 12Vdc - 200mA max – Bell button output GND - max 15mA
- ▶ Programmable electric meeting excitation time
- ▶ Removable terminals
- ▶ Housing for box 503, multiplate complete with adapters
- ▶ Measurements: 66.45 (W) x 44 (H) x 59.1 (D) mm



1048/262

RoomBus TAG transponder reader outside room

The device is a card reader based on TAG transponder technology. Specific for use with PVC or leather TAG transponder cards 1047/039. It interacts with the Room Controller through the RoomBus connection, permitting interfacing up to a distance of 50 m.

Features and performance

- ▶ Power supply: 12Vdc - Max. absorption of the module: 70mA
- ▶ Interface with the RoomBus network built into the device
- ▶ TAG transponder reader format ISO7816
- ▶ Room status, "Do not disturb indication", minibar and alarm SOS indication
- ▶ Internal buzzer activation button
- ▶ Removable terminals - Brass plate for box 503
- ▶ Measurements: 120 (W) x 85 (H) x 45 (D) mm

Article to order, for more information contact customer service



1048/261 - Brass



1048/261AL - Alluminio



1048/261AN - Antique effect

1048/261

RoomBus TAG transponder reader with LED display

The device is a card reader based on TAG transponder technology and it controls access to the room. It interacts directly with the RoomBus management modules.

Maximum distance 50 m.

It is fitted with a display to indicate information.

Features and performance

- ▶ Power supply: 12Vdc
- ▶ Max. absorption of the module: 60mA
- ▶ TAG transponder reader format ISO7816
- ▶ Room status, "Do not disturb indication", minibar and alarm SOS indication
- ▶ Internal buzzer activation button
- ▶ Removable terminals
- ▶ Brass plate for box 503
- ▶ Measurements: 66.45 (W) x 44 (H) x 59.1 (D) mm



1048/260 - Brass



1048/260AL - Alluminio



1048/260AN - Antique effect

1048/260

RoomBus chip card reader with LED display

The device is a card reader based on chip card technology and it controls access to the room.

It interacts directly with the RoomBus management modules.

Maximum distance 50 m.

It is fitted with a display to indicate information.

Features and performance

- ▶ Power supply: 12Vdc
- ▶ Max. absorption of the module: 60mA
- ▶ Chip card reader format ISO7816
- ▶ Room status, "Do not disturb indication", minibar and alarm SOS indication
- ▶ Internal buzzer activation button
- ▶ Removable terminals
- ▶ Brass plate for box 503
- ▶ Measurements: 66.45 (W) x 44 (H) x 59.1 (D) mm

ARTISTIC SERIES FOR ROOM READERS



1048/160

Brass artistic plate

The brass plate is used exclusively with electronics 1048/150, 1048/151, 1048/152 and 1048/153. It can be installed on box 503.

Article to order, for more information contact customer service



1048/160CM

Marine chrome-plated brass artistic plate

The marine chrome-plated brass artistic plate is used exclusively with electronics 1048/150, 1048/151, 1048/152 and 1048/153. It can be installed on box 503.

Article to order, for more information contact customer service



1048/160AL

Aluminium artistic plate

The aluminium plate is used exclusively with electronics 1048/150, 1048/151, 1048/152 and 1048/153. It can be installed on box 503.

Article to order, for more information contact customer service



1048/161

Brass artistic plate – Room number

The brass plate is used exclusively with electronics 1048/150, 1048/151, 1048/152 and 1048/153. It can be installed on box 503.

Article to order, for more information contact customer service



1048/161CM

Marine chrome-plated brass artistic plate – Room number

The marine chrome-plated brass artistic plate is used exclusively with electronics 1048/150, 1048/151, 1048/152 and 1048/153. It can be installed on box 503.

Article to order, for more information contact customer service



1048/161AL

Aluminium artistic plate – Room number

The aluminium plate is used exclusively with electronics 1048/150, 1048/151, 1048/152 and 1048/153. It can be installed on box 503.

Article to order, for more information contact customer service

**1048/162****Brass artistic plate**

The brass plate is used exclusively with electronics 1048/150, 1048/151, 1048/152 and 1048/153. It can be installed on box 503.

Article to order, for more information contact customer service

**1048/162CM****Marine chrome-plated brass artistic plate**

The marine chrome-plated brass artistic plate is used exclusively with electronics 1048/150, 1048/151, 1048/152 and 1048/153. It can be installed on box 503.

Article to order, for more information contact customer service

**1048/162AL****Aluminium artistic plate**

The aluminium plate is used exclusively with electronics 1048/150, 1048/151, 1048/152 and 1048/153. It can be installed on box 503.

Article to order, for more information contact customer service

**1048/163****Brass artistic plate – Room number**

The brass plate is used exclusively with electronics 1048/150, 1048/151, 1048/152 and 1048/153. It can be installed on box 503.

Article to order, for more information contact customer service

**1048/163CM****Marine chrome-plated brass artistic plate – Room number**

The marine chrome-plated brass artistic plate is used exclusively with electronics 1048/150, 1048/151, 1048/152 and 1048/153. It can be installed on box 503.

Article to order, for more information contact customer service

**1048/163AL****Aluminium artistic plate – Room number**

The aluminium plate is used exclusively with electronics 1048/150, 1048/151, 1048/152 and 1048/153. It can be installed on box 503.

Article to order, for more information contact customer service



1048/152

RoomBus chip card electronics

The device is a card reader based on chip card technology and it controls access to the room.

It interacts with the Room Controller through the RoomBus connection, permitting interfacing up to a distance of 50 m.

Features and performance

- ▶ Power supply: 12Vdc
- ▶ Max. absorption of the module: 25mA
- ▶ Interface with the RoomBus network built into the device
- ▶ Chip card reader format ISO7816
- ▶ Indication of alarm, "Do not disturb" and Post at reception
- ▶ Internal buzzer activation button
- ▶ Removable terminals
- ▶ May be used with artistic plates



1048/153

RoomBus TAG transponder electronics

The device is a card reader based on TAG transponder technology and it controls access to the room.

It interacts with the Room Controller through the RoomBus connection, permitting interfacing up to a distance of 50 m.

Features and performance

- ▶ Power supply: 12Vdc
- ▶ Max. absorption of the module: 60mA
- ▶ Interface with the RoomBus network built into the device
- ▶ TAG transponder reader format ISO7816
- ▶ Indication of alarm, "Do not disturb" and Post at reception
- ▶ Internal buzzer activation button
- ▶ Removable terminals
- ▶ May be used with artistic plates



1048/151

Chip card electronics 10 wire configuration

The module is a device which enables the control of the room access functions.

It interacts with room controller 1048/042. Maximum distance from Room Controller 10 m.

Features and performance

- ▶ Power supply: 12Vdc
- ▶ Max. absorption of the module: 25mA
- ▶ Chip card reader format ISO7816
- ▶ Indication of alarm, "Do not disturb" and Post at reception
- ▶ Internal buzzer activation button
- ▶ Removable terminals
- ▶ May be used with artistic plates



1048/150

LonWorks® chip card electronics

The module is a device which enables the control of the room access functions. It interfaces directly with the LonWorks® network and is used in conjunction with the Room Controller module, with which it interacts.

Features and performance

- ▶ Power supply: 12Vdc
- ▶ Max. absorption of the module: 100mA
- ▶ Chip card reader format ISO7816
- ▶ Indication of alarm, "Do not disturb" and Post at reception
- ▶ Internal buzzer activation button
- ▶ Removable terminals
- ▶ May be used with artistic plates

SAFES

**1014/571****Safe with numeric keyboard and RoomBus interface, with 230Vac socket**

Device equipped with motorised opening and closure, cylindrical bolts measuring 22 mm in diameter, anchor holes, mechanical emergency release key, 6-figure guest code, 10-figure hotel code, built-in 230Vac socket. Operations involving the safe are only allowed when the guest is in the room. Maximum distance from the RoomController 50 m.

Features and performance

- ▶ Power supply: 12Vdc
- ▶ Absorption: 70mA
- ▶ Interface with the RoomBus network built into the device
- ▶ Removable terminals
- ▶ Measurements: 400 (W) x 200 (H) x 400 (D) mm

**1014/572****Safe with numeric keyboard and RoomBus interface**

Device equipped with motorised opening and closure, cylindrical bolts measuring 22 mm in diameter, anchor holes, mechanical emergency release key, 6-figure guest code, 10-figure hotel code. Operations involving the safe are only allowed when the guest is in the room. Maximum distance from the RoomController 50 m.

Features and performance

- ▶ Power supply: 12Vdc
- ▶ Absorption: 70mA
- ▶ Interface with the RoomBus network built into the device
- ▶ Removable terminals
- ▶ Measurements: 400 (W) x 200 (H) x 400 (D) mm

ROOM FRAGRANCE DIFFUSERS

**1014/301****BLOW fragrance diffuser for inside**

The device is a fragrance diffuser.

Features and performance

- ▶ Power supply: 230Vac
- ▶ Housing for box 503, multiplate complete with adapters
- ▶ Measurements: 66.45 (W) x 44 (H) x 59.1 (D) mm

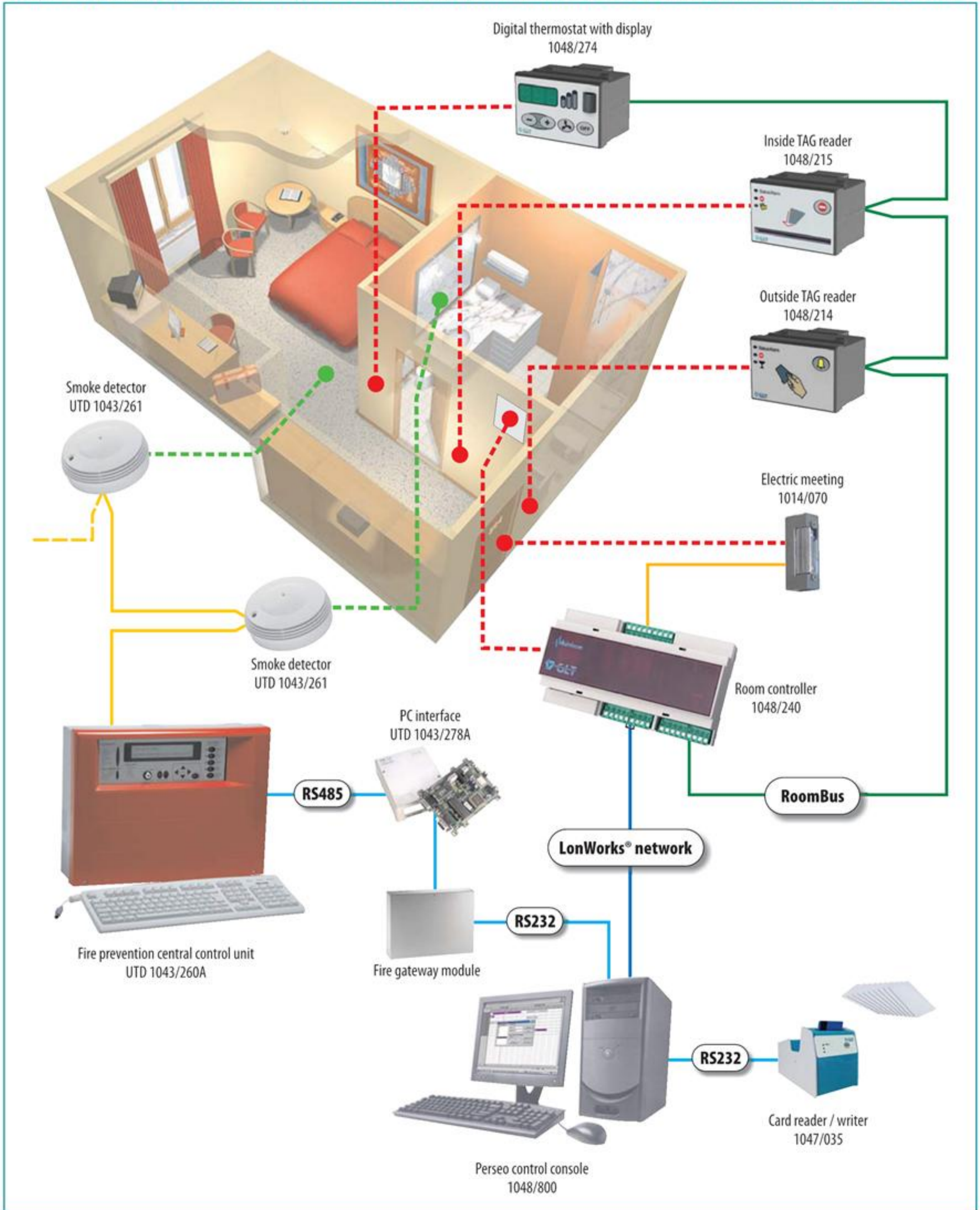
**1014/303****Refill for BLOW fragrance diffuser**

Refill for fragrance diffuser.
Pack of 3.

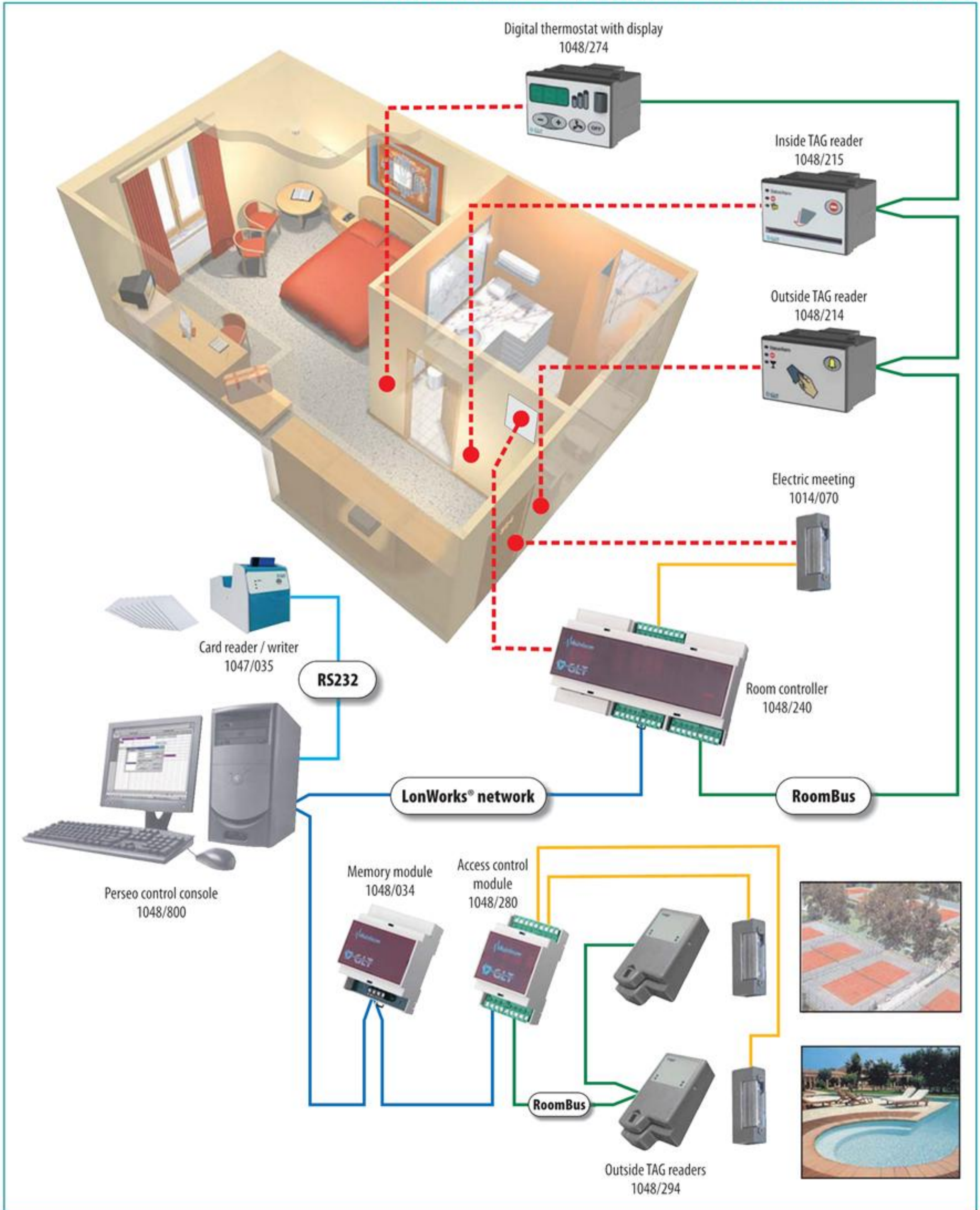
**1014/306****Refill for BLOW fragrance diffuser**

Refill for fragrance diffuser.
Pack of 6.

APPLICATIVE EXAMPLE – AIR-CONDITIONED SINGLE ROOM WITH TAG TRANSPONDER READER AND FIRE/SMOKE DETECTORS



APPLICATIVE EXAMPLE – ACCESS CONTROL WITH TAG TRANSPONDER READERS



COMMON ACCESS CONTROL



1048/034

Memory module for Access Control devices, 350 users

The memory module enables the complete management of accesses even in the event of PC failure, thanks to a non-volatile internal memory capable of memorising up to 350 user codes.

Features and performance

- ▶ Power supply: 12Vdc
- ▶ Max. absorption of the module: 150mA
- ▶ Interface with the LonWorks® network built into the device
- ▶ Possibility to memorise up to 350 user codes
- ▶ Installable on 4 DIN modules
- ▶ Measurements: 70.8 (W) x 58.3 (H) x 90.5 (D) mm



1048/035

Memory module for Access Control devices, 1000 users

The memory module enables the complete management of accesses even in the event of PC failure, thanks to a non-volatile internal memory capable of memorising up to 1000 user codes.

Features and performance

- ▶ Power supply: 12Vdc
- ▶ Max. absorption of the module: 150mA
- ▶ Interface with the LonWorks® network built into the device
- ▶ Possibility to memorise up to 1000 user codes
- ▶ Installable on 4 DIN modules
- ▶ Measurements: 70.8 (W) x 58.3 (H) x 90.5 (D) mm



1048/280

LonWorks® access control module for 2 RoomBus readers

The device controls the common accesses inside a reception structure. It controls up to 2 accesses with 2 RoomBus readers.

Features and performance

- ▶ Power supply: 12Vdc/Vca
- ▶ Max. absorption of the module: 200mA
- ▶ 2 optoinsulated digital inputs
- ▶ 2 6A 250Vac relay outputs (with resistive charge)
- ▶ Interfaces with the LonWorks® and RoomBus networks built into the device
- ▶ Removable terminals
- ▶ Installable on 3 DIN modules
- ▶ Measurements: 53.1 (W) x 58.3 (H) x 90.5 (D) mm



1048/281

LonWorks® access control module for 8 RoomBus readers

The device controls the common accesses inside a reception structure. It controls up to 8 accesses with 8 RoomBus readers.

Features and performance

- ▶ Power supply: 12Vdc/Vca
- ▶ Max. absorption of the module: 500mA
- ▶ 8 optoinsulated digital inputs
- ▶ 8 uscite a relè 6A 250Vca (con carico resistivo)
- ▶ Interfaces with the LonWorks® and RoomBus networks built into the device
- ▶ Removable terminals
- ▶ Installable on 6 DIN modules
- ▶ Measurements: 106.3 (W) x 58.3 (H) x 90.5 (D) mm

**1048/292****RoomBus TAG transponder reader for inside**

The device is a card reader based on TAG transponder technology.

It interacts with the Room Controller and other access control devices through the RoomBus connection, permitting interfacing up to a distance of 50 metres.

Features and performance

- ▶ Power supply: 12Vdc
- ▶ Max. absorption of the module: 70mA
- ▶ Interface with the RoomBus network built into the device
- ▶ TAG transponder reader format ISO7816
- ▶ Removable terminals
- ▶ Housing for box 503, multiplate complete with adapters
- ▶ Measurements: 66.45 (W) x 44 (H) x 59.1 (D) mm

**1048/293****RoomBus chip card reader for inside**

The device is a card reader based on chip card technology.

It interacts with the Room Controller and other access control devices through the RoomBus connection, permitting interfacing up to a distance of 50 m.

Features and performance

- ▶ Power supply: 12Vdc
- ▶ Max. absorption of the module: 25mA
- ▶ Interface with the RoomBus network built into the device
- ▶ Chip card reader format ISO7816
- ▶ Removable terminals
- ▶ Housing for box 503, multiplate complete with adapters
- ▶ Measurements: 66.45 (W) x 44 (H) x 59.1 (D) mm

**1048/294****RoomBus TAG transponder reader for inside**

The device is a card reader based on TAG transponder technology.

It interacts with the Room Controller and other access control devices through the RoomBus connection, permitting interfacing up to a distance of 50 metres.

Features and performance

- ▶ Power supply: 12Vdc
- ▶ Max. absorption of the module: 70mA
- ▶ Interface with the RoomBus network built into the device
- ▶ TAG transponder reader format ISO7816
- ▶ Painted aluminium container
- ▶ Degree of protection IP33
- ▶ Measurements: 83 (W) x 139 (H) x 55 (D) mm

**1048/295****RoomBus chip card reader for outside**

The device is a card reader based on chip card technology.

It interacts with the Room Controller and other access control devices through the RoomBus connection, permitting interfacing up to a distance of 50 m.

Features and performance

- ▶ Power supply: 12Vdc
- ▶ Max. absorption of the module: 25mA
- ▶ Interface with the RoomBus network built into the device
- ▶ Chip card reader format ISO7816
- ▶ Painted aluminium container
- ▶ Degree of protection IP33
- ▶ Measurements: 83 (W) x 139 (H) x 55 (D) mm

CARDS AND READER / CARD WRITER



1047/031

TAG transponder card

For use only with systems where TAG transponder technology is used.

Card format ISO7816.

Pack of 50 cards.



1047/032

Chip card

For use only with systems where chip card technology is used.

Card format ISO7816.

Pack of 50 cards.



1047/038

TAG transponder card with magnetic strip

Dual technology card with TAG transponder and magnetic strip.

Card format ISO7816.

Pack of 50 cards.



1047/039

Leather or PVC key ring with built-in TAG

TAG transponder card used with readers 1048/262 and 1048/263.

Available by request.



1047/035

Reader / universal writer

Semi-automatic device for programming chip cards and TAG transponders with expulsion after validation.

Equipped with RS232 interface, supplied with serial cable and power feeder.

MULTIFUNCTION DISPLAY TERMINALS



1048/591 - White resin



1048/591AL - Alluminio



1048/5910T - Brass

1048/591**LCD display on LonWorks® network**

The device is an LCD display used to indicate the alarms present in the system to which it is connected. It permits the display of alarms through optical/acoustic signals.

Features and performance

- ▶ Power supply: 12Vdc
- ▶ Max. absorption of the module: 600mA
- ▶ Interface with the LonWorks® network built into the device
- ▶ LCD graphic display
- ▶ Swipe reader
- ▶ Function buttons
- ▶ Measurements: 220 (W) x 205 (H) x 60 (D) mm

CONSOLES AND CONTROL SOFTWARE



1048/800

Control console with SW and Perseo base license

PC PENTIUM IV complete with 15" LCD monitor, keyboard, mouse, hardware key, Microsoft® Windows operating system, Perseo control software pre-installed and connected to the system monitoring equipment.



1048/800SW

Perseo base SW license

Application software with the basic functions of Perseo.



1048/801

Advanced control console with SW and Perseo base license

PC PENTIUM IV complete with 15" LCD monitor, keyboard, mouse, hardware key, Microsoft® Windows operating system, Perseo control software pre-installed and connected to the system monitoring equipment, 10/100 ethernet card for LAN connection to the Client PCs of Perseo, RAID1 controller and double HD for fault-tolerance function.



1048/802

Control console with SW and Perseo Client Full license

PC PENTIUM IV complete with 15" LCD monitor, keyboard, mouse, hardware key, Microsoft® Windows operating system, Perseo control software pre-installed and connected to the system monitoring equipment, 10/100 ethernet card for LAN connection to the Client PCs of Perseo. Permits connection to consoles with Perso Server software license, article 1048/806.



1048/806

Perseo Server SW license

Used as an extension of Perseo base SW, to control Perseo Client SW, article 1048/802 or 1048/807.



1048/807

Perseo Client Full SW license

Application software with all the basic functions of Perseo for maintenance. Permits connection to consoles with Perso Server software license, article 1048/806.



1048/808

Perseo Client SW license for generating cards

Application software with all the basic functions of Perseo for generating cards. For use on front-office Client workstations.

