



Touchscreen | TKB3PS | Pulsar |



## BURGLAR ALARM System

Total security  
Integrated security solutions  
Systems Design  
TCP/IP Centralization

# **BURGLAR ALARM** System

## **BURGLAR ALARM** Solution

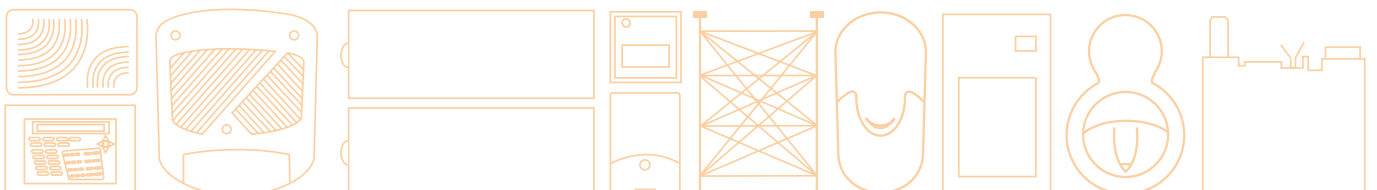
The burglar alarm control panels act like intelligent micro nodes and they interact with peripheral modules.

The fire detection, access control and CCTV functions are collected by the burglar control panels.

The integration with different modules is possible by using a communication protocol on a RS 485 serial BUS

The systems are centralized to the supervision systems via TCP/IP protocol on local or geographic networks (there is available PSTN or dedicated connections or also LON BUS or ECHELON). The supervising system with modular server-client structure manages all the security subsystems and integrates all the building automation functions on OPC server systems.

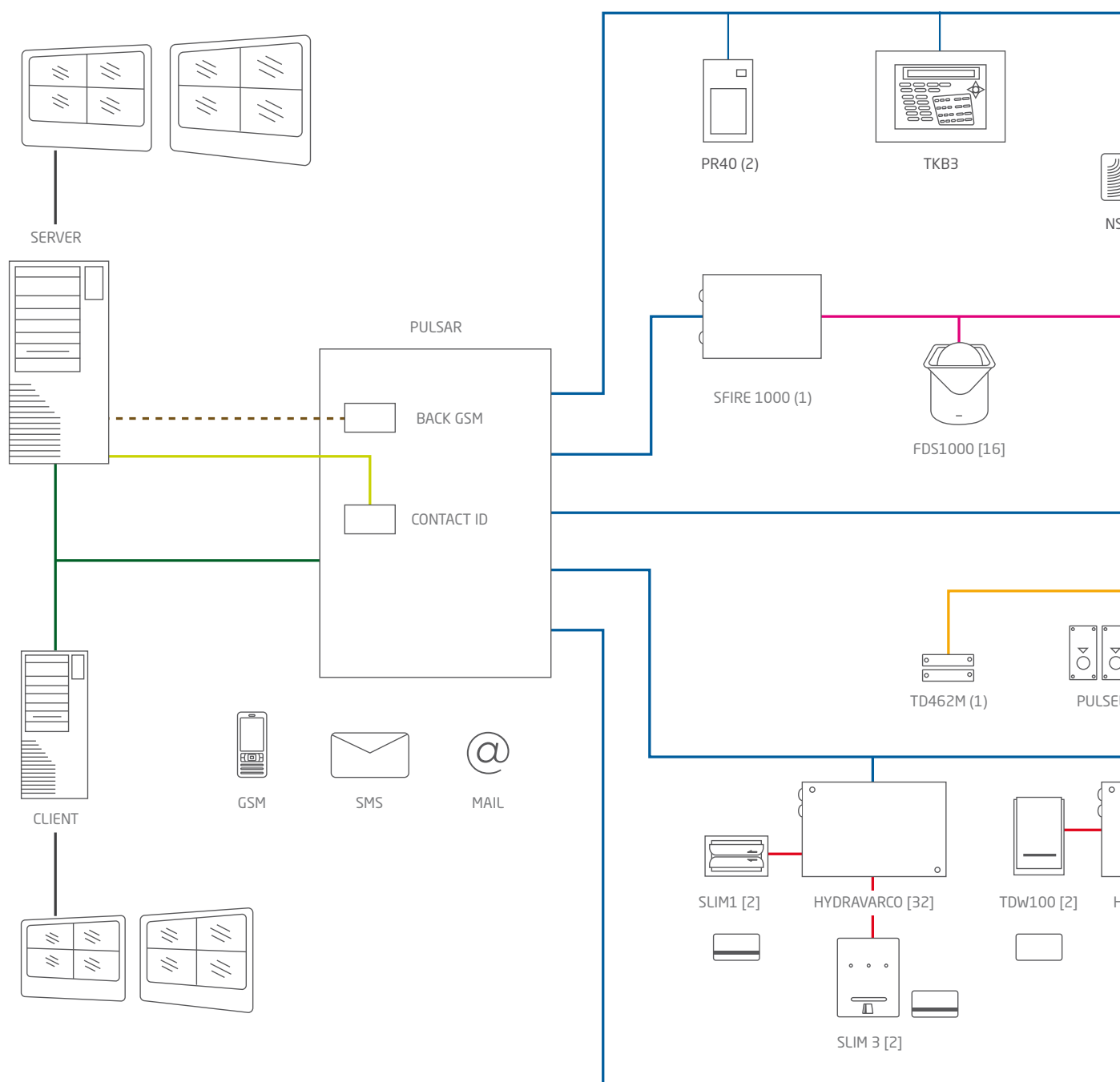
The management of the subsystems is possible through interactive graphic maps.



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# BURGLAR ALARM System



**TCP/IP Connection**  
(CAT5 cable)

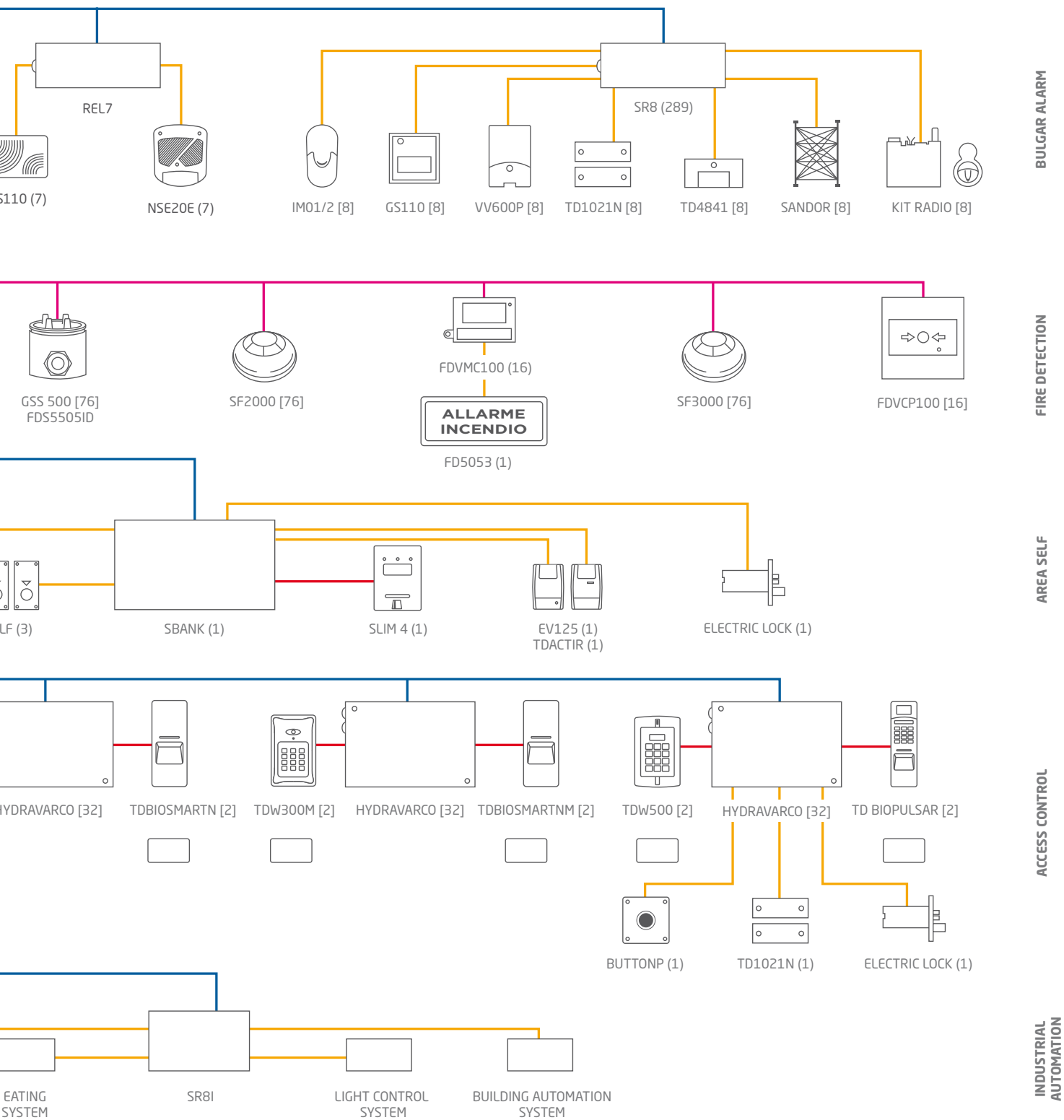
**RS485 LINE**  
(Shielded, cable with 2 connectors for power supply and 2 connectors RS484 for signal)

**SEGNALE**  
(Cavo schermato con 2 conduttori per segnale senza alimentazione)

**CONTACT ID**  
(Linea telefonica PSTN)

**POWER SUPPLY AND SIGNAL**  
(Shielded, cable with 2 connectors for power supply and 2/4/6 connectors for signal)

**OPEN**  
(Shielded, cable with 2 connectors for power supply and 2/4/6 connectors for signal)



**OPEN LOOP WITH POWER SUPPLY**  
(Shielded, cable with 2 connectors  
signal and power supply)

**GSM -GPRS SIGNAL**  
(Shielded, cable with 2 connectors  
for signal without power supply)

**(x)** = Maximum Number of connected device.  
The devices can be added together ex: (x) + (x)

**[x]** = Maximum Number of connected device.  
The device cannot be added together ex: (x) or (x)

**Total Building Management. Integrated monitoring system for security and automation applications**

## Monitoring Software

### > Winwatch Enterprise

**Integrated centralized management:  
Burglar alarms, Fire detection, CCTV**

Software to control and manage an unlimited number of TELEDATA devices

#### **BURGLAR ALARM SYSTEMS**

- PULSAR - ARGO - SENTINEL

#### **FIRE DETECTION**

- EOLO - OLYMPIA TELEDATA ONE

#### **CCTV**

- STARGATE - VIDEOSPY - VIDEOSERVER - IP CAMERAS - NETTUNO - STEEL EYE

#### **INTEGRATED AND TECHNOLOGICAL DEVICES**

- Integrated multi-protocol multimedia software
- In WINDOWS XP environment with interactive and user-friendly graphic interface
- Remote-control, remote management and remote-programming for all devices
- Up to 3 levels of integrated graphic-maps for direct operations
- Hierarchic access password system
- Operator events log
- Message Exchange system integrated with the system
- Server-client structure with architecture on IP networks
- Point-to-point, multidrop, switched
- Operative on LAN WAN WIFI networks with TCP/IP protocol support
- Multi monitor management to
  - View alarms and command sending and receiving statuses
  - View dynamic graphic-maps
  - View sensor symbols with graphic and sound status indication
  - View graphic-maps with integrated video streaming
  - View video cameras in multiscreen mode
- Modular and scalable software
- Send and receive alarm events via SMS and MAIL
- Unique integrated database for event searching and analyses
- Customizable to suit all customer requirements
- Integrated database
- Able to manage subsystems of different producers with the purchase of special modules for:
  - Fire detection units, Burglar alarm units, Access control readers and modules, Digital recorders, Video matrixes, Technological systems

*For further information, please contact our Technical Department*

### > WIN TERMINAL Integrated centralized control

- Software to control and manage up to 2 TELEDATA devices

### > WIN SUPER Integrated centralized control

- Software to control and manage up to 6 TELEDATA devices

### > WIN MAX Integrated centralized control

- Software to control and manage up to 12 TELEDATA devices

## Additional software modules available

### > WIN API Unit interface module for protocol produced by other manufacturers

- Module software to manage different types of units and equipment which operate with non-standard or Teledata protocols

### > WIN MAPPE Graphical-map license

- Software to use the graphic maps on the TELEDATA monitoring systems
- The software must be activated on each work station it is required to run on
- Requires 2nd monitor

### > WIN BACKUP Secondary line control

- Option for the management of a telephone line as an alternative to the main line (LAN) between the control unit and the monitoring system.
- If the main line drops, the monitoring system and control unit switch to the secondary telephone line (telephone)

### > WIN CLIENT Client work station control software

- Ideal for creating work stations with different potential options and access levels.
- Possibility to control the remote devices as if it was operating at the server
- Shared database
- Up to 10 clients can be enabled
- IP protocol management

### > WIN SWAP Hot backup of the winwatch32 system

- Server backup system (winwatch32) on a twin work station.
- The backup system keeps the database and programming systems constantly updated. It is automatically enabled when the main server malfunctions
- Available also for client stations

## NOTE

*The softwares supplied by TELEDATA are covered by a user license. The TELEDATA company is the owner of all the SOFTWARE supplied. Illegal duplications are prohibited by the laws in force*

## Description of the system

### > Burglar alarm

- Remote control, remote management and remote programming of the devices CEI ABI 79-5, 79-6 protocol
  - Real time control over all devices
  - Modular and hierarchical management of the devices
  - Scalable system
  - Server-client structure
  - User-friendly interface by the use of graphic maps
  - Data protection: 2° level (encrypted)
- 

### > CCTV

- DVR management, images transmission
- in selectable standard H-263/MPEG-4 formats
- Simultaneous transmission of stream video for multi screen or image-map viewing
- Remote playback
- Audio transceiving
- Alarm receiving
- Dome and rotating device management
- Telemetric control of devices
- Programmable manual image back ups on alarm event or in auto mode
- Printing of images and saving to CD-RW and DVD-R
- Device management using a joystick
- Upload and download of device programming commands
- Server-client structure
- User-friendly interface by the use of graphic maps

### > Fire prevention

- Remote control, management and programming of the devices
  - CEI ABI 79-5, 79-6 protocol
  - Real time control over all devices
  - Modular and hierarchical management of the devices
  - Scalable system
  - Server-client structure
  - User-friendly interface by the use of graphic maps
- 

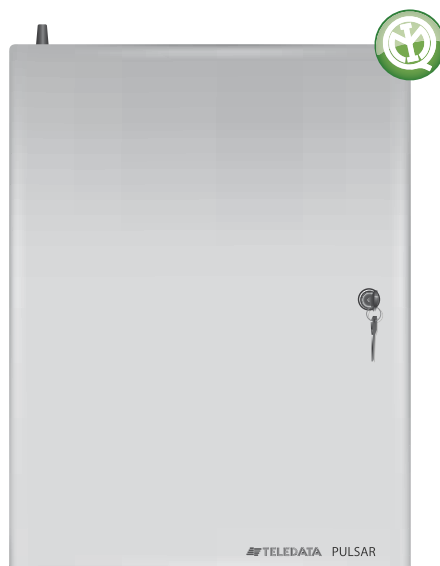
### > Video servers and IP video cameras

- Integrated management of IP products such as IP video cameras, IP Speed Domes and Multi-channel videosevers. MPEG 4
  - Integration of graphic maps
  - Alarm sending and receiving
  - Remote set-up
- 

### > Technological devices

- Management of technological devices such as PLC or PULSAR
- Device management from control panel or graphic maps
- Server-client structure
- User-friendly interface by the use of graphic maps

## > PULSAR16 Modular unit expandable up to 2328 inputs - IMQ level 2



All PULSAR control units can be expanded using the modules: SFIRE 1000, PR40, REL7, TKB3PS, SR8, SR8PS, HYDRA VARCO, SBANK, BACKGSMPs, KIT RADIO

### HARDWARE Features

- Fanless 133mhz CPU
- 32Mbytes RAM
- 32Mbytes non-volatile memory
- 16 inputs balanced on 5 levels:
  - Short circuit, cut, tamper, fault and alarm
- 4 relay outputs expandable
- 8 Open collectors
- 4 serial RS 232 C RS 485 outputs
- 1 ETHERNET interface 10 100 Base T
- 4 Indicator LEDS
- Timer with perpetual battery
- Metal cabinet prepared to contain up to 27Ah batteries
- Protected cabinet - perforation - proof, removal - proof and access - proof
- Onboard insulation transformer
- Certification to 2nd Lev. IMQ Standards
- Consumption: CPU 3W
- Operating temperature: 0-70C°
- Dimensions: 600x450x280

### SOFTWARE Features

- Supplied with Windows EMBEDDED CE Operating System
- A remote keyboard with 4 rows and 40 characters is also available
- The unit is an intelligent multifunction micro-node which can perform the following functions:
  - Control of high risk intrusion and burglary detection
  - Access control
  - Fire detection

### Technological functions

- It has 4 password levels with programmable codes that can be identified and associated to the various functions.
- Up to max 99 operators
- Storage of the last 1000 events

### Burglar alarm functions

- Management of 32/64 geographical areas
- Management of up to 2328 inputs with quadruple balancing via bus concentrators
- Management of up to 136 output relays via external concentrators
- Programmable resistance values

### Access control functions

- It can manage up to 32 access control model HYDRA VARCO on RS 485 bus
- It can memorise up to 200,000 cards and memorise up to 32,000 transits
- 32 time slots and 32 week slots

### Fire Detection Functions

- It can manage up to 76 addressed analog detectors and 16 modules via SFIRE 1000 expansion

### Technological Functions

- It can receive and handle technological commands to and from automated systems

### Monitoring

- It can be centralized in native mode as Host on TCP IP protocol via integrated network card
- Fully compliant to the CEI 79/5 79/6 protocols with reference to the different levels such as link, transport and application
- The CEI ABI protocol is implemented up to level 2
- Multi-user option, up to 5 monitoring systems connected simultaneously
- Field module firmware update from remote work station on LAN or WAN network
- MODBUS ICP IP E MODBUS RTU OVER IP



### > **PULSAR16PT** Multi-function field module - IMQ level 2

Same features as PULSAR16 but with GSM KIT and Wireless Receiver included.

- The TKB3 keypad is also included
- The metal enclosure is designed to contain up to n°1 27Ah batteries
- Power supply: 230 Vac 50 hz 0,36 mA max
- Power pack: 230 Vac - 15 Vdc - 4A

### > **PULSAR32PT** Multi-function field module - IMQ level 2

Same features as Pulsar16 but with 32 inputs, 8 relay outputs, GSM KIT and Wireless Receiver included

- The TKB3 keypad is also included
- The metal cabinet is prepared to contain up to 54 Ah batteries (2x27 Ah)
- Power supply: 230 Vac 50 hz 0,58 mA max
- Power pack: 230 Vac - 15 Vdc - 10 A

### > **PULSAR64PT** Multi-function field module - IMQ level 2

Same features as Pulsar16 but with 64 inputs, 16 relay outputs, GSM KIT and Wireless Receiver included

- The TKB3 keypad is also included
- The metal cabinet is prepared to contain up to 64 Ah batteries
- Power supply: 230 Vac 50 hz 0,65 mA max
- Power pack: 230 Vac - 15 Vdc - 10 A

### > **PULSAR/I** Multi-function field module - IMQ level 3

Same features as PULSAR 16 version but with 3rd level IMQ

- Power supply: 230Vac 50 hz 0,36 mA Max
- Power pack: 230 Vac - 15 Vdc - 4A

### > **PULSAR16R** Multi-function field module

Same features as PULSAR16 version but 19" rack format

- Power supply: 230Vac 50 hz 0,36 mA Max
- Power pack: 230 Vac - 15 Vdc - 4A

## > PULSARTV4 Modular scalable unit up to over 2328 input with built-in 4 analog channel dvr



field module features

### HARDWARE specifications:

- 133 mhz fanless CPU
- 128Mbytes RAM
- 32Mbytes non-volatile memory
- 16 balanced inputs on 5 levels: Short, cut, tamper, fault and alarm
- 4 scalable output relays
- 8 Open collector
- 4 serial ports on board RS 232 C RS 485
- ETHERNET 10 100 BASE T interface
- 4 signal LED
- Perpetual battery clock
- Metallic case to house 1 55Ah battery
- Cabinet protected against perforation, removal and opening
- Timed DVR shutdown management for battery operations
- On board insulation transformer
- KIT GSM and radio transmitter included
- Consumption: CPU 3W
- Working temperature: 0-70C°
- Dimensions: 900 x 505 x 280 mm

### Software specifications

- Equipped with EMBEDDED Windows CE OS
- 4-row 40-character remote keyboard available
- The unit is an intelligent multifunction micro hub

### able to run the following functions:

- High risk intrusion/burglary control
- Access control
- Fire detection

Alarm management from DVR section on TCP/IP

### Technological functions:

- 4 password levels with programmable codes, which can be identified and linked to the various functions.
- Operator up to max. 99
- Last 1000 events saved

### Intrusion functions:

- Management of 32/64 geographic areas
- Management of up to 2328 quadruple balanced inputs via bus concentrators
- Management of up to 136 output relays via external concentrators
- Programmable resistance values

### Access control functions

- Able to manage up to 16 entrance control boards Hydra entrance model on RS 485 bus
- Able to save up to 200,000 badges and save 32,000 transits
- 16 time intervals and 16 weekly ranges

### Fire functions

- Able to manage up to 76 addressed analog detectors and 16 modules via SFIRE 1000 board

### Technological functions

- able to receive and pilot technological type commands to and from automation systems
- Supervision
- Centralized native from Host on TCP IP protocol via built-in network card
- Fully compliant with IEC 79/5 79/6 protocol with reference to the various levels such as link, transport and application
- IEC ABI protocol is implemented up to level 2
- Multi-utility management up to 5 simultaneously connected supervision systems.
- Field module firmware update from remote station on LAN or WAN
- Communication via MODBUS RTU on IP

### DVR specifications:

HARDWARE specifications:

- 4 color or b/w compatible CCIR inputs (1.0Vp-p/75 Ohm)
- Recording speed: 100/120 fps high resolution D1/4CIF in H.264 AVC MPEG 4 (XVID)
- 2 composite video outputs with cyclical and programmable alarm function 1 programmable VGA video output
- 4-channel video distributor
- 4 programmable opto-isolated inputs
- 4 relay output (1A/12V)
- Built-in DVD-RW burner
- 500 Gbyte SATA or higher HD for video surveillance applications
- 1 RS485 serial line for local or speed dome management
- 1 LAN 10/100/1000Base T
- Watch dog circuit and system fault signal
- Embedded OS on SSD
- Dimensions 285x255x130
- Working temperature from 0°C to 40°C, Storage -20°C to 70°C
- Power voltage: 12 Vdc
- Analogue video flow function performance
- DVR real time with D1/4CIF image regulation and definition (25 frame/sec for each video channel and each video stream)
- Independent regulation of each live and recorded video flow
- On request from remote, in the event the H264SVC algorithm is used, recorded images can be re-transmitted in degraded mode
- Multi-protocol video compression in H.264 AVC, H.264SVC format (optional)
- O.S.D. programmable on each channel
- Settings for buffer battery operations

### Functional performance

- Remote settings via web interface
- The system records continuously and/or on alarm.
- Video camera blackout and unalignment alarm for each input
- Independent video controls (Bright, Contrast, Sat, Hue) for each channel
- Video export: USB Key, DVD
- Management software
- Motion search function associated with image play back
- Compliant with Legislative decree 196/2003 as amended
- Images with crypto protection
- Transmission on TCP IP, RTP, http, SNMTP.

## > **PULSARTV8** Modular scalable unit up to over 2328 input with built-in 8 analog channel dvr

Like PULSAR PTV4 but with 8-channel DVR 8

**DVR specifications:**

- 8 color or b/w compatible CCIR inputs (1.0Vp-p/75 Ohm)
- Recording speed: 200/240 fps high resolution D1/4CIF in H.264 AVC MPEG 4 (XVID)
- 8-channel video distributor
- 8 programmable opto-isolated inputs
- 1000 Gbyte SATA HD

## > ARGOLPT Alarm unit - IMQ level 2



### All ARGO control units can be expanded using the modules:

SFIRE 1000, PR20, REL7, TKB1PS, SR8, SBANK,  
MCGTW x BACK GSM, KIT RADIO

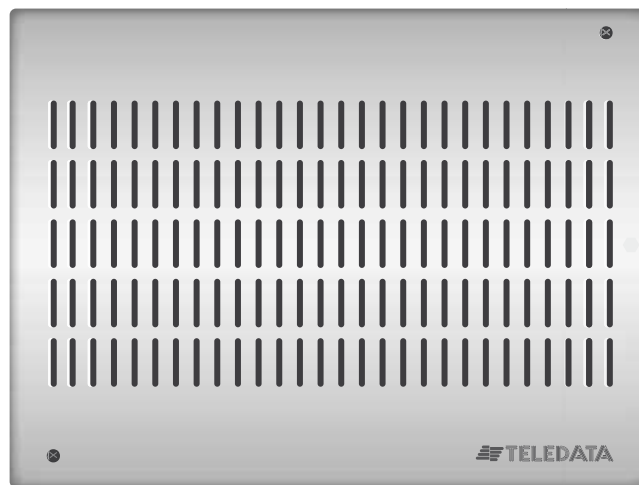
- 16 inputs balanced on 5 levels (expandable to 136 inputs plus 36+8 fire detection)
- 8 independent annual time programmers
- Liquid crystal display with 16x2 backlight characters
- Division in up to 8 areas with independent time slot
- 5 relay outputs (expandable to 12) totally programmable
- Frontline keyboard with 18 keys
- Frontline display with status indication of the 8 areas
- Automatic leap year time management
- Storage of the last 200 events
- Internal logging of all internal and external events
- Incorporated electronics to manage high security digital keys non-reproducible (> than 25 thousand billion combinations on serial line)
- Programmable phrases by the user on EEPROM memories
- Remote programming/remote management/remote updating
- Standard RS 485 printer output
- 2 RS 485 serial lines for remote modules
- 1 serial line to centralize on switched/dedicated lines with CEI/ABI 79/5 - 79/6 protocols
- Wall cabinet (340x100x430 mm)
- Power supply: 230 Vac mains supply with incorporated battery charger (4A/15Vdc)
- Low battery, battery disconnection and battery status control
- Wall cabinet which houses a 17Ah accumulator
- Options: Integrated MODEM/ETHERNET/TOKENRING interface
- Switched back-up



## > ARGOBLPT Alarm unit - IMQ level 2

- Identical to the ARGO/A version, but with a wall cabinet without display and keyboard
- Power supply: 230 Vac with incorporated battery charger (3A/15Vdc)
- Low battery, battery disconnection and battery status control
- The expansions are the same of the ARGOLPT
- The TKB1 model keyboard can also be used
- 4 output relays expandable to 11

## > MINI PULSAR/U Universal interface for centralization



### HARDWARE Features

- Unit with 133 MHz microprocessor
- 32Mbytes Flash expandable to 64Mbytes
- 32Mbytes Ram expandable to 64Mbytes
- Embedded Operating System
- Ethernet 10 100 Base t Integrated network card
- 5 independent serial lines
  - 3 RS 485
  - 2 RS 232C
- 16 inputs
- 4 relay outputs
- 8 Open collectors
- Internal back-up battery
- Power supply: 12Vdc
- Consumption: 480 mA

- Operating temperature: 0 - 50C°
- Relative humidity: 0%-95%
- Weight: 3.5 Kgm
- Dimensions: 180x24x85mm

### Functional characteristics

- Concentrator for device interfacing with IN-OUT or serial protocol
- Prepared for further expansion and customisations to suit specific projects
- Optional GSM/GPRS modem available for backup data transmission

## > MCGTW Universal interface for centralization with GSM back up line

### Hardware Features

- Unit with 133 MHz microprocessor
- 32Mbytes Flash expandable to 64Mbytes
- 32Mbytes Ram expandable to 64Mbytes
- Embedded Operating System
- Ethernet 10 100 Base t Integrated network card
- 1 RS232 line to interfacing with central with CEI 79/5 79/6 protocol
- Internal back-up battery
- Power supply: 12Vdc
- Consumption: 480mA
- Operating temperature: 0 - 50C°
- Relative humidity: 0%-95%

- Weight: 3.5 Kg
- Dimensions: 208x152x65mm

### Functional characteristics

- Concentrator for device interfacing by CEI 79/5 79/6 or serial protocol
- Prepared for further expansion and customisations to suit specific projects
- GSM/GPRS modem for backup data transmission



## > **TKB3PS** Keyboard with display 40x4 rows for PULSAR - IMQ level 3

- Serial line connection for remote control of PULSAR units
- Liquid crystal display with 160 backlight characters
- 8 frontline LEDS and 18 keypad
- Power supply: 12Vdc Consumption 180mA max



## > **TKB1** Keyboard with display 16x2 rows for ARGO and SENTINEL - IMQ level 3

- Serial line connection for remote control of ARGO and SENTINEL units
- Liquid crystal display with 32 backlight characters
- 8 frontline LEDS and 18 key keypad
- Power supply: 12Vdc
- Consumption 130mA max



## > **PR40** 40 column printer for PULSAR

- To be connected to RS485 serial line
- Power supply: 12Vdc
- Consumption: 1500mA max peak
- Dimensions: 270x123x110 mm



## > **PR20** 20 column serial port wall printer for ARGO - IMQ level 2

- On RS485 serial line (for all TELEDATA units)
- With paper winder
- Uses thermal paper - 58 mm
- End and out-of-paper monitoring
- Power supply: 12Vdc
- Consumption: 800mA max peak
- Dimensions: 270x110x80



## > **KIT RADIO** Wireless alarm and illness notification module

- This module can provide centralization of all units available on the market
- Kit consisting in transmitter and receiver
- 4 channel transmitter with high security coding type rolling code on 433Mhz frequency, with remote self-learning function and lithium battery.
- The device also has a low battery indicator LED
- Power supply 12 - 24 Vac/dc
- Average consumption in stand-by mode 20 mA - excited relay 45 mA
- Wireless receiving frequency 433.920 MHz
- Digital coding with variable number of bits - from 40 to 54
- 200 code memorisable
- Red LED indicator
- Operating temperature: - 20 + 55C°
- Storage temperature: - 40 + 85C°
- Receiver weight: 250g
- Receiver dimensions: 77 x 80 x 38 mm



## > **TDRADIOTR** Alarm transmitter for KIT RADIO

\*Q3 2013

### > KEYPROX Proximity Key reader 125KHz

- Up to 100 proximity key for each reader no a 100 chiavi per inseritore
- 4 LED for status indication of the areas
- 4 areas managable for each proximity key
- Mounting on Living International, Light e Light tech
- RS 485 connection with Bulgar alarm panel one
- Remote programmable code for code-area , area-key.
- Manage different proximity key: Cards, Keychain , bracelet ecc.

### Electronic keys for ARGO

High security non-reproducible key reader kit (for compatible LIVING/MAGIC readers) consisting in:

- > **KY2A\*** 1 reader + n. 3 keys
- > **SKEY1A\*** single key (pack of 5)
- > **SKINA\*** reader (pack of 5)

\* LIVING extension /L MAGIC extension /M

## BURGLAR



### > SR8 8 input expansion module - IMQ level 2

- On RS 485 BUS serial line for units
- Cabinet protected form access and opening
- Power supply: 12Vdc
- Consumption: 60mA max
- Dimensions: 160x120x65 mm

### > SR8PS Expansion module (8 input, 3 relays) - IMQ level 3

- On serial line RS 485 BUS for units with protected container
- 3 relay outputs 12V 2A max
- Cabinet protected form access and opening
- Power supply: 12Vdc
- Consumption: 80mA max
- Dimensions: 160x120x65 mm



### > REL7 Remote relay module - IMQ level 2

- Controls 7 changeover relays (2A max.) on RS 485/ for all units
- Cabinet protected form access and opening.
- Power supply: 12Vdc
- Consumption 220mA max
- Dimensions: 205x110x80 mm

## FIRE (Fire Detection Subsystem Peripheral)



### > SFIRE 1000 Module to control analog fire detection sensors with TELEDATA protocol for all units

- Up to 76 sensors and up to 16 IN/OUT modules on analog loop
- On RS485 line to central
- Power supply: 12Vdc
- Consumption: 250mA max
- Dimensions: 205x110x80 mm

## ACCESS CONTROL (Subsystem Peripheral Access Control)

### > HYDRA VARCO Passage control unit for PULSAR

#### Hardware Features

- 16 bit microprocessor
- 4 inputs
- 2 relay outputs - 12V5A
- 2 relay outputs - 12V1A

#### Software Features

##### Management:

- Door status
- Manual open buttons
- Local acoustic signal
- Door opening
- Control of Wiegand reader heads, clock and data
- Dip switch addressing system
- Power LED
- Communication status LED
- 1 RS 232 serial line
- 1 RS 485 serial line
- Power supply: 12 Vdc 190 mA



## Area Self (Subsystem Peripheral Area Self)

### > SBANK Bank self service are control module Peripheral module for TELEDATA BURGLAR ALARM units

#### COMPOSED BY:

##### > CENTRALE BANK Module for BURGLAR ALARM unit connect with RS485

- 16 balanced inputs
- 1 relay outputs (5A/30V)
- 2 relay outputs (1A/30V)
- 6 Open collector outputs
- 1 RS 485 serial output for connection to the BURGLAR ALARM unit
- 1 RS 485 serial output for connection to the card reader
- Power supply: 12Vdc n,



##### > SLIM4 Magnetic reader, 2° and 3° Trace

- assembled in a flush-mounting panel with tamper-proof and condensation proof front panel,
- 3 LEDs and Liquid crystal
- Display with 16x2 backlit characters mounted externally

##### > SP4 speaker for voice synthesis

- Installation: wall-mounted inside self-protected removal and access proof container
- Consumption: 180 mA in idle mode

##### > EV125 IR curtain detector with passive IR IMQ Level 2 (12 mt)

##### > TDACTIR IR detector 15 mt x 90 degrees IMQ Level 2 IRP1500 model

##### > PULSELF 3 manual wall buttons (illness, open passage, time extension)

##### > PULSELF 2-3-4

##### > PLACCA 1-3

##### > TD462N magnetic contact IMQ Level I°







> **MDM01** 19200/2400 Baud modem for PC side switched lines to HAYES standard (V22,V22bis)

- PC side complete with metal case
- To be used with centralized software
- Power supply: 12Vdc
- Consumption: 12Vdc/ 60mA
- Weight: 120 g



> **MDM02** 19200 Baud V23 mode 2 modem for dedicated line

- Fitted inside the TELEDATA units
- Power supply: 12Vdc
- Allows control of up to 8 units in multidrop mode
- Weight: 120 g.
- Versions:
  - > **MDM02/2** with 2 wires up to 0.5 Km in standard V23 mode 2 1.200 Baud
  - > **MDM02/4** with 4 wires up to 5 Km low band up to 19,200 Baud



> **MDM06** 1200/2400 Baud modem for switched lines to HAYES standard (V22,V22bis)

- Back-UP circuit for SIRIUS/2000 PT/ARGO units
- Fitted inside the TELEDATA units
- Power supply: 12Vdc
- Consumption: 12V / 60mA
- Weight: 120gr



> **C32/85** External interface converter

- RS 232C, RS 485 to control several multidrop units with galvanic insulation



> **TD-339/A** Internal interface converter for ARGO

- RS232C / RS485 interface to be fitted inside the ARGO unit (all models) without galvanic insulation



> **TD-340/A** Internal interface converter for SIRIUS

- RS232C / RS485 interface to be fitted inside the SIRIUS unit (all models) without galvanic insulation



### > **PT LAN** Ethernet Adaptor

- Serial to Ethernet 10/100 Base T converter
- For Argo burglar alarm units
- Power supply: 5Vdc
- Installed inside the units
- Supplied with connection cable to the serial line and power supply



### > **AJAX** LAN module to complement any residential center intrusion on WINWACTH

- 4 inputs / outputs (programmable)
- 4 e-mail addresses for sending of alarm messages
- 10/100 Mbps Ethernet port
- Mini USB port
- External power supply voltage - 9-30V DC
- 3 LED status indication
- Small size full functional



### > **BACK GSM PS** GSM/GPRS module for backup management of the Pulsar field module data lines with CEI 79/5 79/6 protocols, cryptography level 0 1 and 2.

- Compatible with Italian Postal service CST
- Dotato di connettore e cablaggio per il collegamento alla scheda CPU del modulo di campo



### > **FT01** Module to protect 12Vdc/1A lines against atmospheric discharges (max 600V)

- Assembly on the DIN Guide terminal board
- To be used for power supplies provided by SIRIUS/ARGO etc.

### > **FT02** Module to protect 230Vac main power lines against atmospheric discharges (max 3,500V)

- Mounted on a plastic wall container



### > **SR PROL** Module to regenerate signals on RS 485 lines with galvanic insulator

- Each module increases the distance by approx. 1000m.
- Installation: Wall mounting unit
- Dimensions: (185x110x40 mm)
- Used on all standard RS 485 lines
- DC Adjustment +/-10V
- Protection against: short-circuit, overload, overvoltage
- Dimensions: 159x97x38 mm
- Weight: Kg. 0.55
- Standard: CEI EN 60950- CEI 79/2

## > TLD212 6 zones expandable up to 12 fully programmable burglar alarm



- 5 programmable zones
- 2 partitions
- 3+1 PGM outputs
- Electronic resettable fuses
- 256 event log
- Built-in digital communicator
- 4 telephone numbers
- Direct programming
- Auto-Arm mode
- Doubling zone connection
- 4 default programming system configurations
- Plastic box + LED212 keypad
- Programmable with Keypad or SW
- Battery 7,2A
- Dimensions 315 x 260 x 80mm



## > LCD212 Remote keypad for TLD212

- Shortcut buttons to additional menus – Memory, Troubles display etc...
- 1 fast buttons' combination for sending of Panic alarm messages to a central monitoring station
- Blue animated LCD display
- Real time clock
- Guide in programming mode
- The system parameters can be fully programmed
- Bi-directional TAMPER switch



## > LED212 LED Keypad for TLD212 *\*on request*

- One input for detectors
- Shortcut buttons for quick arming
- 3 fast buttons for sending of FIRE, MEDICAL and PANIC alarm messages to a central monitoring station
- LED indication for the system and zone status and the arming modes
- Guide in programming mode
- The system parameters can be fully programmed
- Bi-directional TAMPER switch



## > PR62 Proximity reader

PR62 is a reader for proximity cards and is a part of the TLD212 alarm system. Used to arm and disarm the system.

- One output for controlling the electric door lock detectors
- LED indicator for command status
- Built-in buzzer for audio-acknowledgement
- Distance of detection up to 10 cm.



## > PR621 Proximity key reader for TLD212

- 3 colored Led for status indication
- TLD212 direct BUS connection
- Mounting on bticino living o living International, vimar plana o idea, gewiss plabus



## > ADT621 Adapter for PR621

- Adapter Kit for Bticino Living, bticino international, Vimar plana, Vima idea, Gewiss Playbus



## > PRT Proximity tag drop shape compatible with PR62 & PR864



## > PRC Proximity card compatible with PR62 & PR864

## > TLD832 8 zones expandable up to 32 fully programmable burglar alarm



- 8 partitions
- 5 PGM outputs
- 1054 event log
- Built In digital communicator
- 64 user passwords, 1 maintenance and 1 programming
- 8 time-slot
- Timeslot programming mode
- Fire zone with two-wire connection
- Voice messaging (PSTN)
- 2 keyboards LCD or LED
- Power supply 13,8V 1A
- Battery 7A
- Dimensions 315 x 260 x 80mm

### > LCD32 Remote keypad for TLD832



- Power Supply from the control panel: 9-18V (nom. 14V)
- Current absorption: 100mA max
- Area Indication :8
- Zone Indication : 32
- Panic buttons : Yes
- Proxi Reader : (option)
- Voice Guide: Yes (option)
- Buttons material : Rubber
- Operation temperature :-20 °C +50°C
- Tamper : Yes
- Dimensions : 108x134x23mm

### > LED32 LED keypad for TLD832



- Power Supply from the control panel: 9-18V (nom. 14V)
- Current absorption: 140mA max
- Area Indication :8
- Zone Indication : 32
- Panic buttons : Yes
- Proxi Reader : (option)
- Voice Guide: Yes (option)
- Buttons material : Rubber
- Operation temperature :-20 °C +50°C
- Tamper : Yes
- Dimensions : 108x134x23mm



## > PG8M 8 Zone expander module

- 2 programmable outputs
- Compatible with TLD832



## TDINS 4 LED key reader + circuits digital decoding ON / OFF

- TDINS- Four LEDs on the front.
- LEDs with positive resistance with 12V on-board inserter.
- Key self-cleaning gold connector and high reliability
- 1 module size



## > ADTBIG Adapter for TDINS

Adapter Kit for Bticino Living, Bticino international, Vimar plana, Vima idea, Gewiss Playbus



## > TDBIGZ Decoding card for digital key with ON / OFF

- Self-learning up to 30 keys, programmable relay to latching, key-controlled impulsive and present;
- AV input for remote control
- Output: 1 relay free exchange; to connect 'with 3 inserter
- Dimensions (WxDxH) 75x62x12 mm



## > TDBIGKEY Electronic Key for TDINS

- Practical and safe thanks to the locking nuts on herself which protects the pins of the SIM connection
- Available in bright-red color and bright-blue, complete with strap and key ring holder.
- Dimensions (WxDxH) 50x14x20 mm



## > TDAJAXGPRSF GSM communication module

- Provides data connection via voice channel
- Sending of voice or SMS messages to a central monitoring station or directly to the User
- Primary or back-up communicator
- Telephone line monitoring
- System controlling via SMS message
- 6 inputs / outputs (programmable), 2 outputs, 8 SMS messages, 7 voice messages, 8 telephone numbers
- Power supply 9-30V
- Optional back-up power supply
- Working frequency 850/900/1800/1900 MHz



## > NCT14P30 PSTN Telephone Controller - 120 sec voice transmission *\*on request*

- 12 messages in digital vocal-transmission synthesis
- Scantronic and Contact ID-4
- Alarm inputs with trigger delay
- 1 Service input with delay option
- 2 remote controlled outputs
- Numbers of telephone: 16+1
- Keyboard - display 2x16
- Battery: 12v 2Ah housing
- Cabinet in ABS P30
- Dimensions: 195x215x63mm.



## > NCT24AP30 GSM Phone Controller - 120 sec voice transmission *\*on request*

Same features as SANDOR QUAD8010 but with:

- Scantronic and contact
- SMS-4 receiving and transmission
- 1 Service input
- 2 remote controlled outputs
- Numbers of telephone: 16+2



> **GS110** Piezo dynamic detector for glass protection *\*on request*

- Fitted on glass with output relay memory LED
- PPTT Homologation



> **GS117** Fixing adhesive for GS110 detectors PT Homologated



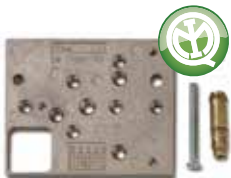
> **TDIMPACTOR** Piezo dynamic detector

- Small dimensions
- Sensibility regulated with jumper
- Alarm memory on LED
- Output relay
- IMQ 1° certification



> **GS620N** Inertial detector for window protection

- Single type
- Relay output
- Complete of analyzing card
- Mounted on base



> **VM600S10** Fixing plate for VV602P - IMQ level 2



> **VV600P** Microphone detector for wall protection range 3m - IMQ level 2

> **VV602P** Microphone detector for cash dispenser and ATMs



## > TD403 Metal magnetic contact

- Surface mounting
- High mechanical strength
- Suitable for doors of any material
- Connect to the wire and loop wire
- Tamper



## > TD462N Magnetic contact for indoor doors - IMQ level 1

- Installation on all indoor doors, even iron versions
- Surface mounted
- Terminal connections to the reed section with an ampoule hermetically encapsulated with polyurethane resin together with a tamper loop to reduce possibility of intrusion.



## > TD1021N Magnetic contact for indoor and outdoor doors - IMQ level 22

- Triple magnetic flow
- Indoor or outdoor installation with terminal connections
- In profuse metal with white epoxy powder coating
- NC output reed contact with close magnet and removal protection section with reed and magnet



## > TD484I Manual panic switch - IMQ level 2

- Rearmed using plastic key



## > TD484ME Manual panic switch - IMQ level 2

- With LED output electronic circuit,
- Spring rearming
- Central unit reset



## > NSI10 Indoor piezoelectric siren 12 V

- White ABS
- Acoustic output: 115 dB at 1 m.
- Dimensions: 148x102x39 mm

## > NSI20 Magnetodynamic siren self-protected

- ABS base and cover
- Dual alarm command for monitor and siren function
- Acoustic output: 112dB at 1 m.





### > **TDSEL** Outdoor self-powered siren 12V 2Ah. Self-protected IMQ level 2 *\*on request*

- Internal cover sheet steel with polyester paint
- Outside cover and ABS base
- Two sounds and flashing LED timing
- Report on-off
- Plant temporary and / or permanent
- Positive or negative control lacking
- Dual tamper and tear microswitch
- Microprocessor circuit and reverse polarity protected and by resin dipping
- Protection: IP44
- Sound power level: 105 dB at 3 meters.
- Battery 2Ah
- Dimensions: 330x220x110mm

### > **TDSELS** Outdoor self-powered siren 12V 2Ah. Self-protected IMQ level 2 *\*on request*

Same characteristics of TDSEL but with antifoam



### > **TDSR137** Outdoor self-powered siren IMQ level 2

- Self-protection against removal from the wall and opening of the case
- Halogen flash
- 2 timers for siren and flash
- Powder coated container
- Battery 2Ah
- Homologated to IMQ Level 2 Standards



### > **SR200** Outdoor self-powered LED siren

- Plastic cover, inner cover metal
- 117 dB/1 m
- LED flash, LED indication
- IP65 for electronics
- Programmable sound duration 1.5 or 3 minutes
- Programmable connection type 2 or 3 wires connection
- Programmable blocking signal type low (0 Vdc) or high (+12 Vdc)
- Spirit level built-in
- Tamper switch Bi-directional
- LED indication technical status, flash
- Power supply: 9 - 15 Vdc
- Battery: 1,2Ah



## > SANDOR 9220 Double optical beam h. 200 Cm 2rx + 2tx

Technical specifications:

- Max. internal capacity: 450 m.
- Max. external capacity: 120m
- Synchronization: wire
- Photo-devices: Synchronized beams connected with two wires.
- Disqualify: Automatic with external signal, open collector negative
- Blind: Blind detection with another Infrared signal with external signal, open collector negative.
- Working temperature : - 25°C / + 65°C.
- Alignment angles: 10° Vertical - 180° horizontal
- Detection system: And/Or on Rx / AND 1° and 2°.
- Detection: Random insertion
- Pilot: AND REMOTE / AND 1° and 2° beam.
- External lining: Infrared with HUV filter.
- Cover: With Tamper.
- Protection grade: IP 56
- Total beams: 2TX + 2RX
- Power: 12-16 Vdc
- Absorption: 120mA
- Internal column heater: 30W 24 Vac with thermo regulator



## > SANDOR 9820 Double optical beams h. 200 Cm 4rx + 4tx

Technical specifications:

Like SANDOR9220 less:

- Total beams: 4TX + 4RX
- Power: 12-16 Vdc
- Absorption: 150mA
- Internal column heater: 50W 24 Vac with thermo regulator



### > **TDZEFIROAM** Dual technology detector Anti-masking and Anti-Blinding IMQ level 2

- 15m x 110 degrees
- IMQ level 2
- With TDLINK bracket and TDZEFIROAMKIT removal protection kit

### > **TDLINK** Bracket divalent wall/ceiling for TDZEFIROAM detectors

### > **TDZEFIROAMKIT** Removal-protection Kit



### > **TDSYRIO** Double technology detector with masking prevention *\*on request*

- Report any attempt to mask the Microwave with a dedicated output
- Report any attempt to mask the infrared lens to contrast any sabotage (spray, paper)
- I° IMQ

### > **TDHSYR** Bracket for TDSYRIO *\*on request*



### > **WAVEPREX** Dual technology detector (PIR+MW)

- DIGITAL Analysis
- Coverage: 0.3 to 15 m
- 1 pulse or AUTO
- AND or OR function
- X-BAND module
- MW sensitivity adjustment up to 15 m
- Digital filter
- RF and EM Immunity
- ESD protection
- Operating temperature from -20° up to +50°C
- Mounting bracket: opzionale

### > **BRACKET** Bracket for WAVEPREX



### > **TDPOLARIS** Double technology detector for indoor 360° *\*Q2 2012*

- Report any attempt to mask the infrared lens
- Report any attempt to mask the microwave
- 8 meters range
- I° IMQ



### > **TDVELVET** Double technology curtain detector for outdoor application *\*on request*

- Double technology (IRP+uW) curtain detector for outdoor
- Report any attempt to mask the infrared lens
- Report any attempt to mask the microwave
- Set for operating through curtain or approaching
- 12 meters operating range
- Waterprof polycarbonate
- I° IMQ

### > **TDHVEL** Bracket for TDSYRIO *\*on request*



## > S-25-15

- Switching type: 230V/15V-1.7A 50 Hz
- DC Adjustment + -10%
- Protection against: short-circuit, overload, overvoltage
- Dimensions: 98x97x35 mm.
- Weight: Kg. 0.3
- Standard: CEI EN 60950- CEI 79/2



## > S-40-15

- Switching type: 230V/15V-2.8A 50 Hz
- DC Adjustment + -10%
- Protection against: short-circuit, overload, overvoltage
- Dimensions: 159x97x38 mm.
- Weight: Kg. 0.55
- Standard: CEI EN 60950- CEI 79/2



## > S-60-15

- Switching type: 230V/15V-3.6A 50 Hz
- DC Adjustment + -10%
- Protection against: short-circuit, overload, overvoltage
- Dimensions: 159x97x38 mm.
- Weight: Kg. 0.55
- Standard: CEI EN 60950- CEI 79/2



## > S-150-15

- Switching type: 230V/15V-10A 50 Hz
- DC Adjustment 13.5V - 16.5V
- Protection against: short-circuit, overload, overvoltage
- Dimensions: 199x50x110
- Weight: Kg. 0.8
- Standard: CEI EN 60950- CEI 79/2



## > S-150-24

- Switching type: 230V/24V-6.5A 50Hz
- DC Adjustment 21V - 28V
- Protection against: short-circuit, overload, overvoltage
- Dimensions: 199x50x110
- Weight: Kg. 0.8
- Standard: CEI EN 60950- CEI 79/2-TUV



### > TD2015 Power units certified to UNI EN 60950

- Certified to UNI EN 60950
- Switching Type: 230 Vca -15+10%, 50/60 Hz
- Short circuit, overload, over voltage protection
- Maximal current deliverable to external units: 1.5A
- Alarm signals on free potential contacts
- Tamper Power failure signal
- Optical LED indication of: 230 Vac power supply presence, low battery, battery absence, low battery charger circuit, low battery signal, no power supply to the external loads signal
- Operating Temp. : + 5 ° C to + 40 ° C
- Insulation class: Class I
- Degree of protection: IP30
- In metal cabinet with housing for n° 1 accumulator up to 7 Ah
- Dimensions: 290x250x180
- Weight: Kg. 5



### > TD3015 Power units certified to UNI EN 60950

- Certified to UNI EN 60950
- Switching Type: 230 Vca -15+10%, 50/60 Hz
- Short circuit, overload, over voltage protection
- Maximal current deliverable to external units: 3A
- Alarm signals on free potential contacts
- Tamper Power failure signal
- Optical LED indication of: 230 Vac power supply presence, low battery, battery absence, low battery charger circuit, low battery signal, no power supply to the external loads signal
- Operating Temp. : + 5 ° C to + 40 ° C
- Insulation class: Class I
- Degree of protection: IP30
- In metal cabinet with housing for 1 accumulator up to 17 Ah
- Dimensions: 450x260x205
- Weight: Kg. 8.5



### > TD5015 Power units certified to UNI EN 60950

- Certified to UNI EN 60950
- Switching Type: 230 Vca -15+10%, 50/60 Hz
- Short circuit, overload, over voltage protection
- Maximal current deliverable to external units: 5A
- Alarm signals on free potential contacts
- Tamper Power failure signal
- Optical LED indication of: 230 Vac power supply presence, low battery, battery absence, low battery charger circuit, low battery signal, no power supply to the external loads signal
- Operating Temp. : + 5 ° C to + 40 ° C
- Insulation class: Class I
- Degree of protection: IP30
- On wall cabinets, able to house storage batterie up to 1 x 42Ah
- Dimensions: 450x260x205
- Weight: Kg. 11



## > **S-60-15** Power supply for PULSAR16

- Switching type: 230V/15V-3,6A 50 Hz
- DC Adjustment + -10V
- Protection against: short-circuit, overload, overvoltage
- Dimensions: 159x97x38 mm.
- Weight: Kg. 0.55
- Standard: CEI EN 60950- CEI 79/2



## > **S-150-15** Power supply unit for PULSAR32/64

- Switching type: 230V/15V-10A 50 Hz
- DC Adjustment 13.5V - 16.5V
- Protection against: short-circuit, overload, overvoltage
- Dimensions: 199x50x110
- Weight: Kg. 0.8
- Standard: CEI EN 60950- CEI 79/2

## > **S/CPU** Basic CPU card for Sirius A1/A22, 2000/PT versions

## > **S/LD** Frontal LED card SIRIUS / 2000PT

## > **RESSIR** Balancing resistor kit for SIRIUS/2000PT

## > **RIAVV** Paper rewinder for PR20 and PR/B printers

## > **TD526** Inputs card for PULSAR

## > **CTER3** Paper roll for PR40 printer

## > **PC104** Basic CPU card for PULSAR version

## > **S/CPUB** Basic CPU card for Sirius B4

## > **DIS** LCD display 16x2

## > **RESSR8** Balancing resistor kit for SR8

## > **MANSIR** Manual kit for SIRIUS-2000/PT Units

## > **RESPUL** Balancing resistor kit for PULSAR

## Spare parts for ARGO system

> **A/CPU** Basic CPU card

> **MANARGO** Manual kit for ARGO Units

> **RESARG** Balancing resistor kit

> **RIAVV** Paper rewinder for printer mod. PR\_20

> **CTER** Paper roll for printer PR20

> **PS1** Open Frame power supply for ARGO

- Switching type: 230/240V- 15V/10A with terminal board and network filter
- Dimensions: 159x97x38 mm.
- Weight: Kg. 0.55

## Cables

> **CAV020081** Cable Gr2 White 8x0.22mm 100m price per km

> **CAV030041** Cable Gr3 450v White 4x0.22mm 100m price per km

> **CAV030061** Cable Gr3 450v White 6x0.22mm 100m price per km

> **CAV035041** Cable Gr3 450v White 2x0,50+4x0,22mm 100m price per km

## Batteries

> **BAT1201** Battery 12Vdc 1,2 Ah

> **BAT1202** Battery 12Vdc 2,0 Ah

> **BAT1204** Battery 12Vdc 4,5 Ah

> **BAT1207** Battery 12Vdc 7 Ah

> **BAT1217** Battery 12Vdc 17 Ah

> **BAT1225** Battery 12Vdc 25 Ah

> **BAT1240** Battery 12Vdc 40Ah

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## NOTE

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[www.teledata-i.com](http://www.teledata-i.com)



**Headquarters**

via G.M. Giulietti, 8 - 20132 Milan - Italy - tel.: +39 02 27 201 352 r.a. - +39 02 25 92 795 - fax: +39 02 25 93 704 - mail: [info@teledata-i.com](mailto:info@teledata-i.com)

**R&D**

56010 Ghezzano (Pisa) - Via Carducci, 64 - mail: [info@teledata-i.com](mailto:info@teledata-i.com)

**Middle East Office**

Dubai Airport Free Zone - 3rd East Wing, 4th Floor - PO Bo. 54620 Dubai UAE - Phone +971 (0)4 2149670 - Fax +971 (0) 4 214 9501 - mail: [info@teledata-i.com](mailto:info@teledata-i.com)

**[www.teledata-i.com](http://www.teledata-i.com)**