



Touchscreen | TKB3PS | Pulsar | Sentinel

## **BURGLAR ALARM System**

Total security  
Integrated security solutions  
Systems Design  
TCP/IP Centralization



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## 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

#### CCTV

- STARGATE - VIDEOSPY - VIDEOSERVER - TELECAMERE IP - 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 Image-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 transeiving
- 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 16 access control model HYDRA VARCO on RS 485 bus
- It can memorise up to 200,000 cards and memorise up to 32,000 transits
- 16 time slots and 16 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 RTU protocol over IP

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

- Same features as PULSAR16 but with GSM KIT and Wireless Transmitter included.
- The TKB3 keyboard is also included
- 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 Transmitter included
- The TKB3 keyboard 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 transmitter included
- The TKB3 keyboard 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

## > 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

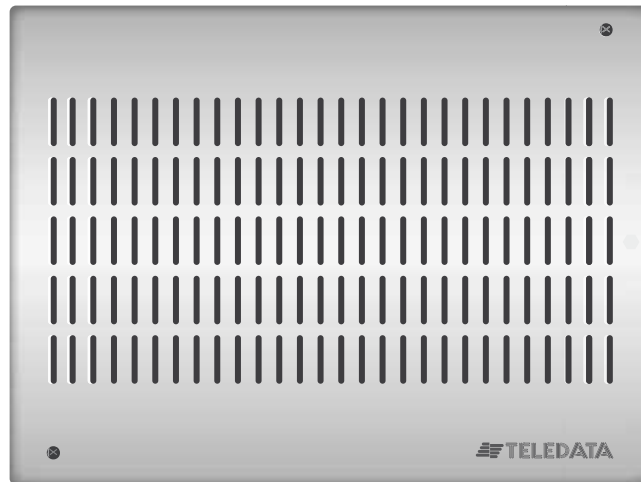
- 16 inputs balanced on 5 levels (expandable to 136 inputs plus 36+8 fire detection)
- 8 independent annual time programmers
- Liquid crystal display with 16x2 backlight characters
- Division in up to 8 areas with independent time slot
- 5 relay outputs (expandable to 12) totally programmable
- Frontline 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 TKB 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 changeover 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%

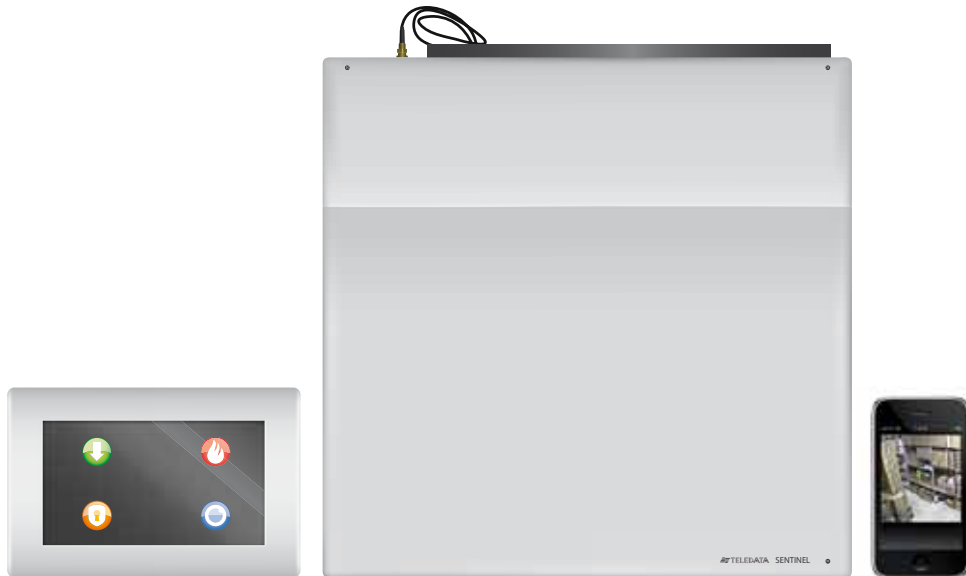
- Weight: 3.5 Kgm
- Dimensions: 124x24x55mm

**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



## > SENTINEL Video alarm unit for integrated burglar alarm and video surveillance security systems



### Burglar alarm unit

- 8 alarm inputs balanced on 5 levels and expandable to 256 alarm inputs balanced on 5 levels (alarm, short circuit, cut, fault, tamper alarms) via 8 input expansion satellite ( Max 31)
- 2 alarm outputs expandable to 30 via 7 relay expansion
- Max 10 keyboard with 2x16 LCD display
- Power supply: 12V 4A with 112Vdc 17Ah battery
- 4 open collector outputs
- 1 RS 485
- 1 RS 232C

### Video unit functions

- Digital VCR with
- 8 Video Camera CCIR inputs 1Vp-p
- 2 Outputs with video matrix function
- 1 SVGA output
- 4 USB Ports
- 2 ps2 mouse and keyboard inputs
- HD 500Gbytes
- Compression algorithm MPEG4 Asp
- Supplied with 704x576 recording
- Recording speed up to 50fps
- Programmable image recording function for independent time slots and/or alarm/ Exporting files to USB device in AVI format

### Communication unit

- LAN 10 100 Base T relay card with integrated TCP/IP protocol support
- System management using the network card and the WINWATCH monitoring software
- Programmable without mouse or monitor using a portable PC connected to the LAN network

### Access control functions

- It can manage up to 8 access control model HYDRA VARCO on RS 485 bus
- It can memorise up 20,000 cards and memorise up to 10,000 transits for each access point
- 16 time slots and 16 week slots can be associated to each H4PR + badge.

### Fire Detection Functions

- It can manage up to 90 addressed analog detectors and 16 modules via SFIRE Expansion

### 3G Unit 3G

- Module for video call with dialer function integrated on it
- Has the capability to send and receive SMS of alarm
- Sends a 3G video call in case of alarm

## > SENTINELS With out 3G videocall module

### > NTNOM Antenna for 3G module 5cm long

### > VD3GS 3G module for sentinel unit

### > NTN2M Antenna for 3G module 2mt long *\*on request*



### > **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 key keyboard
- 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 keyboard
- 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

## > KEYPROX Proximity Key reader 125KHz

\*Q3 2012

- 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

## ANTINTRUSIONE



### > 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 HYDRA



**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
- 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 badge 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 end switching lines to HAYES standard (V22,V22bis)

- PC end complete with metal container
- 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 Burglar alarm of 6 to 12 fully programmable zones expandable up to 12 zones



- 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 *\*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. It is intended for arming and disarming 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



## > TLD1664 Burglar alarm 4/8 programmable zones



- Expandable up to 64 zones
- Additional BUS technology modules
- 16 independent areas, additional BUS technology modules
- PGM outputs
- Built-in communicator
- Up/download facility



### > LCD1664 LCD remote TLD1664 keypad

- 1 programmable zone
- 1 programmable output
- 3 programmable buttons combinations for sending of FIRE, MEDICAL and PANIC alarm messages to a central monitoring station
- Full control over 16 areas



### > PR864 Proximity reader

Proximity reader for TLD1664, using proximity cards or tags



### > MRI48 Zone expander module for 4/8 zones

- 2 programmable outputs
- compatible with TLD1664.



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



### > PRC Proximity card compatible with PR62 & PR864

> **TLD832** Bulgar alarm 8 zones expandable to 32



- 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** LCD remote TLD832 keypad

- 1 programmable zone
- 1 programmable output
- Built in proximity reader



> **LED32** LED keypad for TLD832

- 1 input for detectors
- Shortcut buttons for quick arming
- Built in proximity reader



## > PG8M Zone expander module for 8 zones

- 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 Board decoding 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



## > ARGUS 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

- 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 rele
- IMQ 1° certification



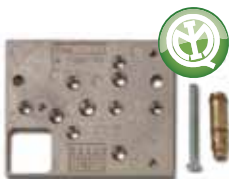
> **GS620N** Inertial detector for window protection

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



> **SISM1** Seismic detector for metal structures or glass break detection

- Fitted on shockguard mod. 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.



### > TD2501 Magnetic contact for indoor and outdoor doors - IMQ level 2

- 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.
- 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
- Homologated to IMQ Level 2 Standards



> **SR200 Outdoor microprocessor controlled electromagnetic 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

> **SANDOR QUAD8010 Active IR multi-beam barrier - Height 100 cm**

- 16 cross beam barrier
- Innovative design
- Optical synchronisation
- AND / OR Detection
- Max range 80m outdoors - 240m indoors
- Protection rating: IP54
- Height: 100 cm with 2TX + 2 RX
- Power supply: 12Vdc 50mA
- Column heaters: 24Vac 20W
- Operating temperature: -25C° + 65C°



*\*on request*

> **SANDOR QUAD8015 Active IR multi-beam barrier - Height 150 cm**

- Same features as SANDOR QUAD8010 but with a height of 150 cm

> **SANDOR QUAD8020 Active IR multi-beam barrier - Height 200 cm**

- Same features as SANDOR QUAD8010 but with a height of 200 cm



> **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



## > TD-25-15 Power supply unit

- In compliance with standards: CEI 79/2
- Switching type: 230/240V- 15V/1.7A 50 Hz
- Output adjustment: +-10%
- Protection against short-circuit, overload, overvoltage
- Maximal current deliverable to external units: 1.2A
- Alarm signals on free potential contacts
- Tamper No Network
- No power supply Low battery
- Optical LED indication of: Network presence, No Network, Presence of output voltage Battery monitoring voltage
- On wall cabinets, able to house storage batteries up to 7Ah
- Dimensions: 250x100x430
- Weight: Kg. 4

## > TD-60-15 Power supply unit



- In compliance with standards: CEI 79/2
- Switching type: 230/240V- 15V/3,6A 50 Hz
- Output adjustment: +-10%
- Protection against short-circuit, overload, overvoltage
- Maximal current deliverable to external units: 3A
- Alarm signals on free potential contacts
- Tamper No Network
- No power supply Low battery
- Optical LED indication of: Network presence, No Network, Presence of output voltage, Battery monitoring voltage
- On wall cabinets, able to house storage batteries up to 7Ah
- Weight: Kg. 4

## > TD-150-15 Power supply unit

- In compliance with standards: CEI 79/2
- Switching type: 230/240V- 15V/10A 50 Hz
- Output adjustment: +-10%
- Protection against short-circuit, overload, overvoltage
- Maximal current deliverable to external units: 8A
- Alarm signals on free potential contacts
- Tamper No Network
- No power supply Low battery
- Optical LED indication of: Network presence, No Network, Presence of output voltage, Battery monitoring voltage
- On wall cabinets, able to house storage batteries up to 24 x Ah
- Dimensions: 600x280x450
- Weight: Kg. 28



### > **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 rewriter 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

- > **A/CPU** Basic CPU card

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- > **MANARGO** Manual kit for ARGO Units

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- > **RESARG** Balancing resistor kit

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

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- > **CTER** Paper roll for printer PR20

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- > **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

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

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

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

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

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

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

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

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- > **BAT1207** Battery 12Vdc 7 Ah

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- > **BAT1217** Battery 12Vdc 17 Ah

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- > **BAT1225** Battery 12Vdc 25 Ah

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- > **BAT1240** Battery 12Vdc 40Ah





**NOTE**

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