

Automation & Control

**Telemecanique**

*Simply Smart !*



Quality and  
innovation  
for over  
*80 years*

## Telemecanique, the Schneider Electric brand for Automation & Control

**Used together or separately,** Telemecanique products provide complete functionalities for all of your industrial, building, infrastructure, and energy automation applications.



**A wide range  
of product families**  
in over 130 countries  
around the world.

**TeSys** motor starters  
**Altivar** variable speed drives  
**Altistart** soft starters  
**Twin Line** motors and servo-drives  
**Advantys** distributed I/O  
**Zelio** relays and **Twido** controllers  
**Modicon** PLCs  
**Unity** automation hardware  
and software solution (NEW!)  
**Magelis** operator terminals  
**Harmony** control and signaling units  
**Osiconcept** sensors  
**Preventa** safety solutions  
etc.

# Simply Smart !

Leveraging ingenuity and intelligence for ease of use.



## Simplicity

- Cost effective "optimum" offers that make selection easy for most typical applications
- Products that are easy to understand for users, electricians and automation specialists
- User-friendly intuitive programming

... for example  
**Zelio Logic**

Easy programming directly on the smart module with either the Compact or Modular versions, or via PC using FBDs or Ladder Logic. Control of applications by simply sending an SMS...



## Ingenuity

- Auto-adapts to its environment, "plug & play"
- Application functions, control, communication and diagnostics embedded in the products
- User-friendly operation either directly on the product or remotely

... for example  
**Altivar 38**

"Plug & drive" speed drive with functionality adapted specifically for pumps and fans, solutions with harmonics protection and *PowerSuite* software for pocket PCs, perfectly suited for building applications!



## Flexibility

- Interchangeable modular functions, to better meet the requirements for extensions
- Software and accessories common to multiple product families

... for example  
**Twido**

Programmable controller with Compact or Modular versions to better meet your needs. Its flexibility enables you to add options like a display, communication bus, more memory...



## Openness

- Compliance with field bus, connection, and software standards
- Enabling decentralised or remote surveillance via the web with **Transparent Ready** products

... for example  
**TeSys model U**

The first starter controller to integrate motor power and control functions, adaptable to a variety of standard buses, and permits you to transparently monitor applications via the web.



## Compactness

- High functionality in a minimum of space
- Freedom in implementation

... for example  
**Magelis XBT-N**

Besides the fact that it is the most compact semi-graphic display on the market, it offers a high degree of legibility, configurable keys, and multi-language management capabilities.



# Telemecanique,

innovative products for all **Automation & Control** functions

## Machine safety

See **Machine safety**  
in each function

## AS-Interface

See **AS-Interface**  
in each function

## Interfaces & I/O

### a Connectors

Cable-ends, terminal blocs,  
DZ, AZ..., AB1, DB6...

### b Interfaces

Plug-in relays, analog  
converters, discrete interfaces  
Zelio Relay, Analog ABR, ABS  
Pre-wired interfaces,  
IP20/IP67 distributed I/O  
Advantys Telefast, FTB, FTM,  
STB, Modicon Momentum

### c AS-Interface

Addressing and adjustment  
terminals, IP20/IP67 interfaces,  
cables, repeaters, accessories

### d Machine safety

Safety monitor sand controllers  
on AS-Interface  
AS-Interface safety at work

### Software

Software to design and install  
AS-Interface system, safety monitors  
and controllers on AS-Interface  
programming software  
AS-Interface Design, ASISWIN,  
XPSMCWIN

## Networks & communication

**Connecting  
Ethernet devices**  
ConneXium

**Web-enabling  
PLCs on Ethernet**

Modicon Micro ETZ,  
Premium ETY, Quantum NOE,  
Momentum M1E

**Application protocols  
and field buses**

Modbus, Uni-Telway, XWAY,  
CANopen, Fipway, INTERBUS,  
Modbus Plus, Profibus DP...



### a Sensors

Limit switches Osiswitch  
Proximity sensors Osiprox  
Photo-electric and ultrasonic  
sensors Osiris, Osisonic  
Pressure switches Nautilus  
Rotary encoders XCC

### b RFID, vision

Inductive identification  
Inductel  
Vision system Osiview

### c Machine safety

Switches, light curtains, mats  
Preventa XC, XU, XY

### Software

Safety mats configuration software  
Safety Mats Design

## Detection

## Operator dialog

- a Control and signaling units**  
Control and signaling units,  
cam switches  
Harmony Style 4, 5, 6, 7, 9, K  
Beacons and indicator banks  
Harmony XV...
- b Human machine interfaces**  
Operator interface terminals,  
industrial PCs, Web servers,  
HMI and SCADA PC-based software  
Magelis XBT, Magelis zPC,  
Factory Cast, Vijeo Look,  
Monitor Pro
- c Control stations, mounting solutions**  
Control and pendant stations,  
front panels mounting kits  
Harmony XA, Profil, Tego Dial
- d AS-Interface**  
Control stations, keypads, beacons
- e Machine safety**  
Emergency stops, control stations,  
enabling switches, foot switches  
Preventa XA, XB, XY, XP
- Software**  
Operator terminal software  
Magelis XBTL1000



## Mounting systems

- a Enclosures**  
Wall mounted enclosures  
N'Sys NCM, NCX, NCP  
Floor standing enclosures,  
suite type cubicles  
N'Sys NSM, NAM, NFP  
Industrial boxes  
N'Sys NBI
- Equipment and accessories**  
Thermal control equipment N'Sys AEC  
Power splitter blocks N'Sys AK, AB  
Mounting accessories N'Sys AM, AF...



## Software tools

Global software

**a** **Generation of application systems**  
Unity Application Generator

**b** **Application control**  
Unity Studio

**c** **Collaborative development**  
Unity Developer's Edition

Dedicated software  
See **Software** in other functions

## Automation

### **a** Relays

Plug-in relays, electronic timers, control relays, counts  
Zelio Relay, Time, Control, Count  
Smart relays Zelio Logic

### **b** PLCs, PC based control, distributed I/O

Programmable controllers Twido  
PLC platforms  
Modicon Micro, Premium, Quantum  
PC based control Modicon Atrium  
Distributed I/O, I/O controllers  
Advantys STB, Modicon Momentum

### **c** AS-Interface

Master modules for Modicon PLCs

### **d** Machine safety

Optimum and universal controllers Preventa XPS

### **e** Software

PLCs and safety controllers programming software  
ZelioSoft, TwidoSoft, PL7, Concept, ProWORKS 32, Unity Pro, XPSMCWIN

## Motion control



### General motion control

Motors, servo drives  
and controllers  
Lexium, Twin Line

### Software

Software for Lexium drives  
and motors  
Unilink, Lexium Sizer

## Motor control



### Motor starters

Contactors TeSys model k, d, F, B  
Circuit breakers, fuse carriers  
TeSys model GV, LS1, GK1, GS1  
Thermal relays  
TeSys model LR, LT3, LT6  
Combinations, motor controllers  
TeSys model U, LE, ...

### Soft starters, variable speed drives

Soft starters Altistart 01, 48  
Variable speed drives  
Altivar 11, 31, 38, 58, 68

### Mounting solutions

Motor starters mounting kit  
Tego Power

### AS-Interface

Motor controllers, enclosures,  
variable speed drives

### Machine safety

Switch disconnectors  
thermal-magnetic motor  
circuit breakers, enclosed starters  
TeSys mini-vario, vario,  
TeSys model GV2-ME, LG, LJ

### Software

Motor control programming  
software PowerSuite

## Power supplies



### Power supplies

Switch mode power supplies  
Phaseo ABL 7  
Filtered rectified power  
supplies, transformers  
Phaseo ABL 6

### AS-Interface

Power supplies

*Simply Smart !*

# New [Telemecanique.com](http://Telemecanique.com) portal

This international site allows you to access all the Telemecanique products in just 2 clicks via comprehensive range data-sheets, with direct links to :

- Complete library : technical documents, catalogs, certificates, FAQs, brochures...
- Selection guides from the e-catalog
- Product discovery sites and their Flash animations

You will also find illustrated overviews, news to which you can subscribe, a discussion forum, the list of country contacts...

To live automation solutions every day!

Product index

Functions discovery

Product data-sheet

E-catalog

Library

## A [worldwide](#) presence

### Constantly available

- More than 5 000 points of sale in 130 countries.
- You can be sure to find the range of products that are right for you and which complies fully with the standards in the country where they are used.

### Technical assistance wherever you are

- Our technicians are at your disposal to assist you in finding the optimum solution for your particular needs.
- Schneider Electric provides you with all necessary technical assistance, throughout the world.

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