

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.

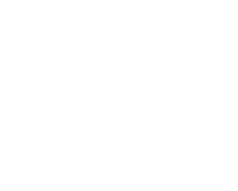


Compactness

- 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 funtions



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

Software

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



Motion control



a General motion control

Motors, servo drives
and controllers
Lexium, Twin Line

Software

Software for Lexium drives
and motors
Unilink, Lexium Sizer

Motor control



a 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, ...

b Soft starters, variable speed drives

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

c Mounting solutions

Motor starters mounting kit
Tego Power

d AS-Interface

Motor controllers, enclosures,
variable speed drives

e 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



a Power supplies

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

b AS-Interface

Power supplies

Simply Smart !

New 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.



Schneider Electric Industries S.A.S.

Head Office
89, bd Franklin Roosevelt
94504 Rueil-Malmaison
FRANCE

www.schneider-electric.com
www.telemecanique.com

Due to evolution of standards and equipment, the characteristics indicated in texts and images of this document do not constitute a commitment on our part without confirmation.

Design : www.blueloft.fr

Photos : Schneider Electric - Image bank

Simply Smart !