

Automation & Control
Telemecanique
The essential guide

2006



www.us.telemecanique.com

Access and benefits 24/7.

- Easy navigation
- Access to support and help on every page
- Google search engine
- Use pictorial or standard menu navigation

New [telemecanique.com](http://www.us.telemecanique.com) portal



This 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

You will also find illustrated overviews, news how to buy and get support. To live automation solutions every day!

Product page



OEM solutions



Application case histories



Service and support



E-Catalog



Introduction

Telemecanique,

b the Schneider Electric brand for Automation & Control.

b innovative products...

Detection

- b Photo-electric sensors
- b Inductive proximity sensors
- b Limit switches
- b Sensors for pressure control

1

Operator dialog

- b Control and signalling units
- b Human-Machine Interfaces

2

Automation

- b Relays
- b Programmable controllers & Automation platforms
- b Distributed Inputs/Outputs
- b ConneXium Ethernet Switches

3

Motion and Drives

- b Soft starters
- b Variable speed drives
- b Motion modules
- b Lexium servo drives for SER, BPH and BPL servo motors

4

Motor control

- b Motor control components
- b Components for power control applications

5

Power supplies

Power supplies and transformers for control circuits

6

Interfaces and I/O

- b Connection
- b Interfaces and distributed Inputs/Outputs

7

AS-Interface cabling system

- b The cabling system that meets your needs for industrial automation systems

8

Machine safety

- b Safety solutions provide maximum protection in all the safety functions of your automation system

9

Schneider US

- b Address

Telemecanique, the Schneider Electric brand for Automation & Control

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



Known for its quality and innovation for over 80 years, Telemecanique offers a wide range of products in over 130 countries around the world.

Te.Sys motor starters
Altivar drives
Altistart soft starters
Lexium 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 signalling units
Osiconcept sensors
Preventa safety solutions
etc.

Simply Smart !

Leveraging ingenuity and intelligence for ease of use

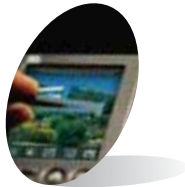


Simplicity

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

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

...for example **Altivar 71**

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



Flexibility

- ρ Interchangeable modular functions, to better meet the requirements for extensions
- ρ 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

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

...for example **TeSys 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

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

...for example **Magelis XBT GT**

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

Systems & Architectures

Operator dialog



Interfaces & I/O



Detection

Interfaces & I/O

Connectors

Cable-ends, terminal blocs

Interfaces

Plug-in relays, analog converters, discrete interfaces
Pre-wired interfaces, IP20/IP67 distributed I/O

AS-Interface

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

Machine safety

Safety monitors and controllers on AS-Interface

Software

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

Detection

Sensors

Limit switches
Proximity sensors
Photo-electric and ultrasonic sensors
Pressure switches
Rotary encoders

RFID, vision

Inductive identification
Vision system

Machine safety

Switches, light curtains, mats

Software

Safety mats configuration software

Operator dialog

Control & signalling units

Control and signalling units, cam switches
Beacons and indicator banks

Human machine interfaces

Operator interface terminals, industrial PCs, Web servers, HMI and SCADA PC-based software

Control stations, mounting solutions

Control and pendant stations, front panels mounting kits

AS-Interface

Control stations, keypads, beacons

Machine safety

Emergency stops, control stations, enabling switches, foot switches

Software

Operator terminal software

Mounting systems

Mounting systems

Enclosures

Wall mounted enclosures
Floor standing enclosures, suite type cubicles
Industrial boxes

Equipment and accessories

Thermal control equipment
Power splitter blocks
Mounting accessories

Systems & Architectures

Connecting Ethernet devices

Web-enabling PLCs on Ethernet

Application protocols and field buses

Simply Smart !

Software tools



Motion and Drives



Automation



Motor control



Power supplies



Automation

Relays

Plug-in relays, electronic timers, control relays, counts
Smart relays

PLCs, PC based control, distributed I/O

Programmable controllers
PLC platforms
PC based control
Distributed I/O, I/O controllers

AS-Interface

Master modules for Modicon PLCs

Machine safety

Safety PLCs, controllers and modules

Software

PLCs and safety controllers programming software

Software tools

Global software
Generation of application systems
Application control
Collaborative development

Dedicated software
See **Software** in other functions

Power supplies

Power supplies

Switch mode power supplies
Filtered rectified power supplies, transformers

AS-Interface

Power supplies

Motor control

Motor starters

Contactors
Circuit breakers, fuse carriers
Thermal relays
Combinations, motor controllers

Mounting solutions

Motor starter mounting kit

AS-Interface

Motor controllers, enclosures, variable speed drives

Machine safety

Switch disconnectors, thermal-magnetic motor circuit breakers, enclosed starters

Software

Motor control programming software

Motion and Drives

Starters, drives and servo drives

Soft starters
Variable speed drives
Motion modules
Servo drives
Servo motors

Software

Software for drives and motors