Smart relays

Zelio Logic

Step into an intuitive *world!*





a brand of Schneider Electric

Telemecanique

Simply Smart !

Leveraging
ingenuity
and intelligence
for **ease of use**

Simply select your **Zelio Logic** !

Designed for the management of simple automation systems comprising 10 to 40 I/O, Zelio Logic smart relays, with their unique combination of value for money and ease of use, provide a real alternative to solutions based on cabled logic or specific cards.

Simple to select, install and programme, Zelio Logic is suitable for all your applications. Flexible, it offers you the choice of 2 ranges - Compact versions with fixed configurations, and Modular versions which allow the use of extension modules - and 2 programming languages (FBD or LADDER).

Supply / Inputs
- 24 VAC,
- 100 - 240 VAC,
- 12 VDC,
- 24 VDC

Inputs
- Limit switches
- 3-wire inductive sensors
- Sensors and potentiometers (0-10 V)



Outputs
- Relay
- Transistor

Interface
- PC programming
- Memory cartridge
- Modem link
- Bluetooth interface

Back-up of data + date and time: **10 years!**

Standards and certifications:

Optimise your installation time

- Simple to assemble

Add extension modules on the modular range by simple clipping-on.

- Simple to mount

Fixing without accessories: DIN rail or panel mounting (retractable fixing lugs).

- Simple to integrate

Extreme compactness for reducing the size of your enclosures (H 90 x W 71.2 x D 59 mm for a 12 I/O model).

Wherever you are, *communicate* easily!

Open, Zelio Logic enables you to monitor and control your installations in any situation:





■ From anywhere using modem (analogue or GSM) solution
Monitor and control remotely your unmanned installations

■ Locally using the Ethernet network…
A single universal network for connecting your automation system equipment and distributing your Internet connection points

■ Up to 10 metres with Zelio Soft 2 and the Bluetooth® wireless connection
An easy connection even in the most inaccessible places

■ Up to 3 metres with Zelio Soft 2 and PC connecting cables:
Programme, simulate, load and modify your programme and supervise your installation



■ Using the LCD display on the smart relay
An extra large display for comfortably viewing information, simple setting-up and programme modifications.

Picture your application, programming will be *second nature*!

In order to continually provide you with more user-friendliness and performance, Zelio Soft 2 is enhanced with new functions… Test it yourself on **www.telemecanique.com**



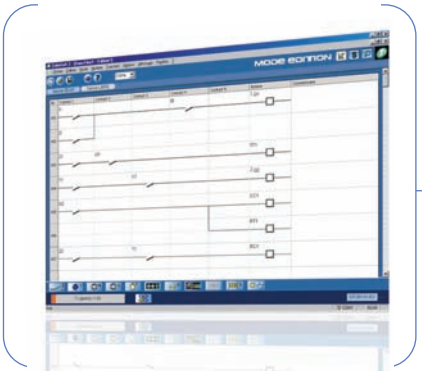


How do you achieve in a *simple* and *user-friendly* manner the development of an application you have in mind?

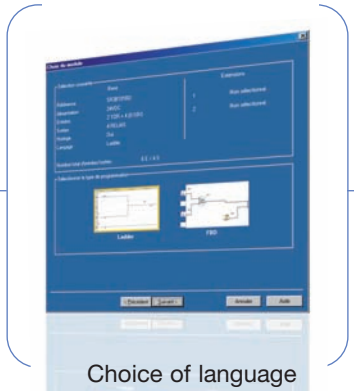
With Zelio soft 2 software, picture the application you have in mind and programming will be *second nature.*

Quick programming …

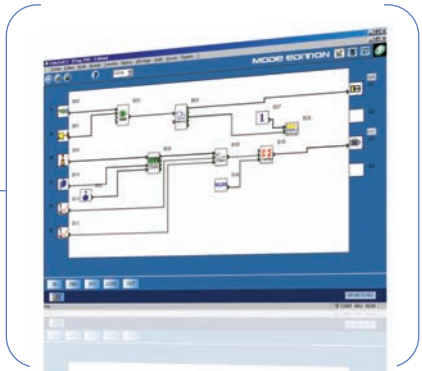
From an intuitive interface, create and modify your programmes in record time using an extensive number of “drag and drop” pre-programmed functions.
Whatever your preference, **Zelio Soft 2** speaks your language:



LADDER language:
simplicity of programming assured by the universality of the contact language 12 pre-programmed functions



Choice of language



FBD language:
programming flexibility and high capacity of processing up to 200 function blocks, which include:
32 pre-programmed functions



...and *safe*!

- **Coherence test**: at the slightest input error, Zelio Soft turns red and precisely locates the problem.
- **Simulation and monitoring modes**: test the programme in real-time, with or without the smart relay connected to the PC.
- **Supervision window**: enables viewing the I/O states of the smart relay in your application environment (diagram or image).

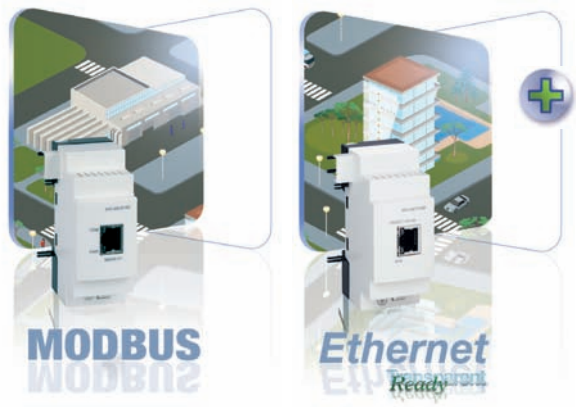
Zelio Soft 2 software and memory	Multilingual programming software	Connecting cables		Wireless connection	Back-up memory
Description	PC CD-ROM (Windows 98, NT, 2000, XP) (1)	Serial PC/Smart relay	USB PC/Smart relay	Bluetooth interface	EEPROM
References	SR2SFT01	SR2CBL01	SR2USB01	SR2BTC01	SR2MEM02

(1) CD-ROM including Zelio Soft programming software, an application library, a self-training manual, installation instructions and a user's manual.



You need to *share information*, and *keep in contact* with your installations

The *simple* and *economical* communication solutions of Zelio Logic live up to your expectations:



Network communication extension modules:

- Easily connect automation system equipment such as displays or PLCs...
- Easily modify your automation system



Bluetooth® wireless connection interface

- Gain freedom of movement!
  Use a wireless connection between your smart relay and PC for programming, simulating, loading, modifying your programme and supervising your installation.



Modem communication interface

Monitor and control your installations remotely!

- Avoid unnecessary on-site visits: communicate with Zelio Logic using your mobile phone
- Define your maintenance priorities
- Perform pre-diagnostics
- Manage your maintenance personnel



Interface, modems, Zelio Logic Alarm software	Communication interface	Modems (1)		Alarm management software
Supply voltage	12...24 VDC	12...24 VDC	12...24 VDC	–
Description	–	RTC Modem	GSM Modem*	PC CD-ROM (Windows 98, NT, 2000, XP)
References	SR2COM01	SR2MOD01	SR2MOD02	SR2SFT02

(1) Must be used in conjunction with communication interface SR2COM01.

*4 band 850/1900MHz 900/1800MHz



You seek an *optimised* solution for your simple applications comprising *10 to 20 I/O*

With **Zelio Logic** Compact, *optimise* the cost of the solution according to your application requirements due to the various versions:

- with or without display and buttons
- with or without clock



3 monobloc models with 10, 12 or 20 I/O: versions with or without display and buttons.

Compact smart relays							
AC supply voltage		**24 VAC**		**100...240 VAC**			
Number of inputs/outputs		12	20	10	12	20	20
Number of inputs	Discrete inputs	8	12	6	8	12	12
Number of outputs		4 relay	8 relay	4 relay	4 relay	8 relay	8 relay
Clock		yes	yes	no	yes	no	yes
References	with display	**SR2B121B**	**SR2B201B**	**SR2A101FU**(1)	**SR2B121FU**	**SR2A201FU**(1)	**SR2B201FU**
	without display	**SR2E121B**	**SR2E201B**	**SR2D101FU**(1)	**SR2E121FU**	**SR2D201FU**(1)	**SR2E201FU**
DC supply voltage		**12 VDC**		**24 VDC**			
Number of inputs/outputs		12	20	10	12	20	20
Number of inputs	Discrete inputs	8	12	6	8	12	12
	including 0-10 V analogue inputs	4	6	-	4	2	6
Nombre de sorties		4 relay	8 relay	4 relay	4	8 relay	8
Clock		yes	yes	no	yes	no	yes
References	with display	**SR2B121JD**	**SR2B201JD**	**SR2A101BD**(1)	**SR2B12•BD**(2)	**SR2A201BD**(1)	**SR2B20•BD**(2)
	without display	-	-	**SR2D101BD**(1)	**SR2E121BD**	**SR2D201BD**(1)	**SR2E201BD**

(1) Programming on smart relay in LADDER language only.
(2) Replace the • by number **1** to order a smart relay with relay output or by **2** for a smart relay with transistor output (Example: SR2B12**1**BD).



You seek a solution for *demanding* applications comprising up to *40 I/O*

Zelio Logic Modular provides you with *performance* and opportunities for future *development*.

Simply add communication and I/O extension modules on the Zelio Logic Modular bases for:

- adding the Modbus (slave) or Ethernet (server) communication network
- adding additional analogue inputs with better resolution (10 bits) in addition to those of the base
- increasing the number of discrete inputs/outputs at very little cost (up to 40 I/O)

Communication extension modules
- Modbus and Ethernet

Extension modules
- Discrete: 6, 10, 14 I/O,
- Analogue: 4 I/O



2 bases
- 10 and 26 I/O extendable to 40 I/O

Modular smart relays*		With display						
Supply voltage		24 VAC		100...240 VAC		12 VDC	24 VDC	
Number of inputs/outputs		10	26	10	26	26	10	26
Number of inputs	Discrete inputs	6	16	6	16	16	6	16
	including 0-10 V analogue inputs	-	-	-	-	6	4	6
Number of outputs		4 relay	10 relay	4 relay	10 relay	10 relay	4	10
Clock		yes	yes	yes	yes	yes	yes	yes
References		SR3B101B	SR3B261B	SR3B101FU	SR3B261FU	SR3B261JD	SR3B10•BD[1]	SR3B26•BD[1]

Extension modules for Zelio Logic SR3B••••• [2]		Communication		Discrete Inputs/Outputs			Analogue Inputs/Outputs
Application		Modbus	Ethernet	–			–
Number of inputs/outputs		–	–	6	10	14	4
Number of inputs	Discrete	–	–	4 discrete	6 discrete	8 discrete	2 (0…10 V, 0...20mA, PT100)
Number of outputs		–	–	2 relay	4 relay	6 relay	2 (0…10 V)
References	24 VAC	–	–	SR3XT61B	SR3XT101B	SR3XT141B	–
	100…240 VAC	–	–	SR3XT61FU	SR3XT101FU	SR3XT141FU	–
	12 VDC	–	–	SR3XT61JD	SR3XT101JD	SR3XT141JD	–
	24 VDC	SR3MBU01BD	SR3NET01BD	SR3XT61BD	SR3XT101BD	SR3XT141BD	SR3XT43BD

[1] The modular base can be fitted with one I/0 extension module. The 24 VDC modular base can be fitted with one communication module and/or one I/O extension module.
[1] Replace the • by number **1** to order a smart relay with relay output or by **2** for a smart relay with transistor output (Example:SR3B10**1**BD)
[2] The power supply of the extension modules is provided via the Zelio Logic modular relays.

The efficiency of Telemecanique branded *solutions*

Used in combination, Telemecanique products provide quality solutions, meeting all your Automation and Control applications requirements.





Find out more about Zelio Logic for your applications with the Discovery packs:
- pack comprising 1 product, 1 connecting cable and software CD.
- available in 24 VDC, 100...240 VAC

A worldwide presence

Constantly available
- More than 5 000 points of sale in 190 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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Simply Smart !

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