

Step into an intuitive world...

Zelio Logic
Smart relays



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 program, 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).

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

> Zelio Logic Compact Compacity, comfort

optimise the cost of the solution according to your application requirements thanks to the various versions:

- 3 monobloc models with 10, 12 or 20 I/O,
- With or without display and buttons,
- With or without clock.

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

> Zelio Logic Modular Performance, flexibility

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).



Share information, and keep in contact with your installations

> Network communication extension modules

Easily connect automation system equipment such as displays or PLCs...

- Easily modify your automation system.
- **Modbus Solution** in industry:
 - Small automated machines,
 - Extended automated on middle and big machines.
- **Ethernet solution** for building and tertiary sector,
 - Lighting management,
 - Control access and monitoring management,
 - Heating and air conditioning management.



> Bluetooth® wireless connection interface

Gain freedom of movement!

- Use a wireless connection between your smart relay and PC, for programming, simulating, loading, modifying your program and supervising your installation,
- Up to 10 meters with **Zelio Soft 2** and the Bluetooth® wireless connection, an easy connection even in the most inaccessible places.



> Modem communication interface RTC & GSM

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 personal maintenance from anywhere with the (RTC or GSM) modem solution,
- Monitor and remote control your installations using without personnel.

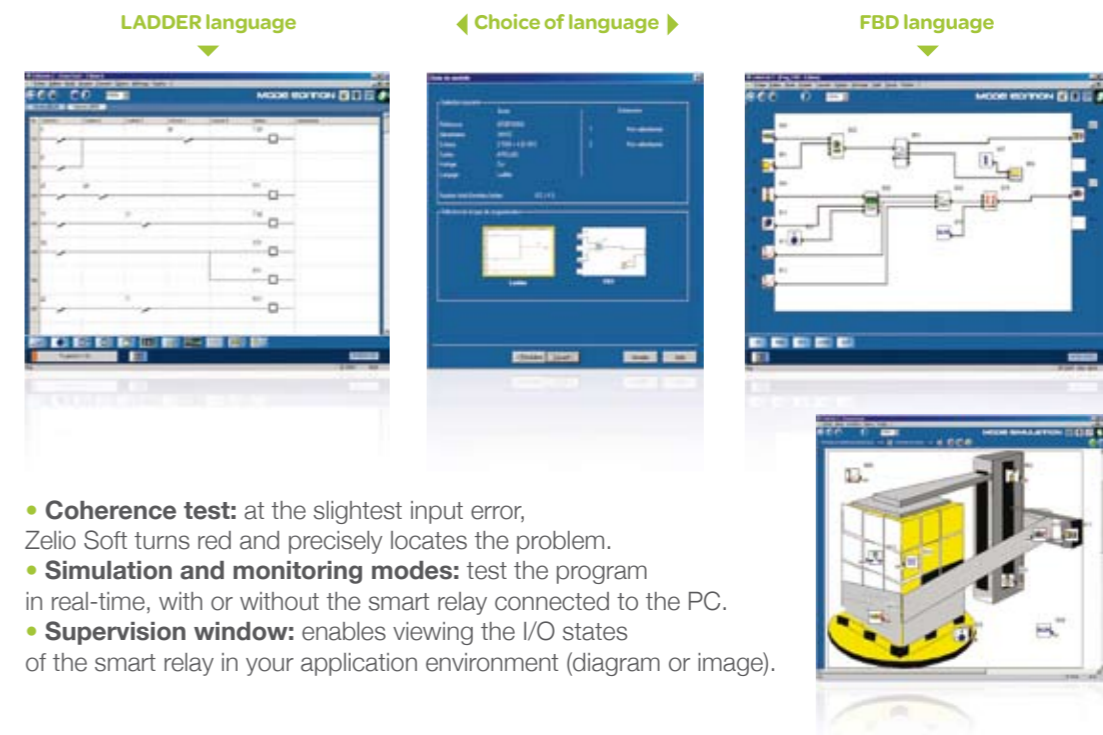


Develop and manage your application

> Fast and reliable programming

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

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



- **Coherence test:** at the slightest input error, Zelio Soft turns red and precisely locates the problem.
- **Simulation and monitoring modes:** test the program 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).

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

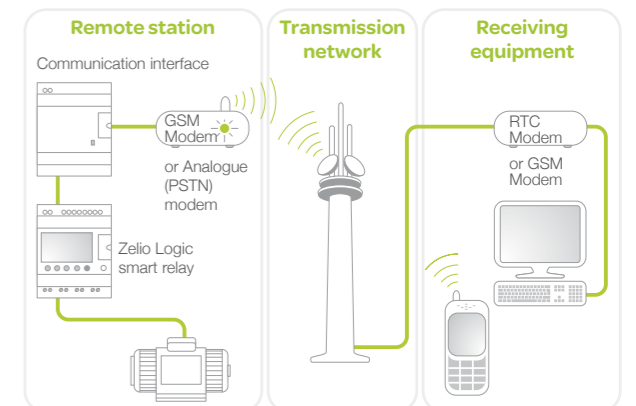
FBD language: programming flexibility and high capacity of processing up to 200 function blocks, which include: 32 pre-programmed fun.

> Monitor and control your installations remotely!

with **Zelio Alarm** software, monitor and control your installations remotely.

- **On-site with a mobile phone:**
 - Receive alert messages via SMS: in the event of the mobile phone being unavailable, the alert is automatically redirected to another mobile phone,
 - Send instructions to a remote smart relay,
 - Obtain information regarding the status of the application components.
- **In the office with Zelio Logic Alarm software:**
 - Benefit from the same functions as those using your mobile phone within the comfort of a PC environment,
 - Manage the composition of your maintenance teams,
 - Easily organise your alarms: classify, archive, sort, export.

100%
Interventions justified
Unlimited activity scope.



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).



1 Supply / Inputs

- 24 VAC
- 48 VAC
- 100 - 240 VAC
- 12 VDC
- 24 VDC

2 Inputs

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

3 Interfaces

- PC programming
- Memory cartridge
- Modem link
- Bluetooth interface
- Link cable for Magelis XBT N*

4 Outputs

- Relay
- Transistors

* Zelio Logic direct connection to optimize your machines, a direct link between Zelio Logic and Magelis XBT N, makes you benefit from all the HMI functions with a Zelio Logic: display, alarm, graphical animations...

> Memory

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

> 100% certified

Standards and certifications:



> Zelio Logic selection guide

Compact smart relays							
AC supply voltage	24 VAC		48 VAC	100...240 VAC			
Number of inputs/outputs	12	20	20	10	12	20	20
Number of inputs Discrete inputs	8	12	12	6	8	12	12
Number of outputs	4 relay	8 relay	8 relay	4 relay	4 relay	8 relay	8 relay
Clock	yes	yes	no	no	yes	no	yes
References with display	SR2B121B	SR2B201B	SR2A201E	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	-	6	-		4	2	6
Number of outputs	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: SR2B121BD).

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 inputs	-	-	4 TOR	6 TOR	8 TOR	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

* The modular base can be fitted with one I/O 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:SR3B101BD).

⁽²⁾ The power supply of the extension modules is provided via the Zelio Logic modular relays.

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 (Windows XP or Vista)
References	SR2COM01	SR2MOD01	SR2MOD02	SR2SFT02

* 4 bands 850/1900MHz 900/1800MHz.

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

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

⁽¹⁾ CD-ROM (Windows XP, Vista 32 bits or Windows 7 32 bits) including Zelio Soft programming software, an application library, a self-training manual, installation instructions and a user's manual.

Schneider Electric Industries SAS

Head Office

35, rue Joseph Monier – CS 30323
F92506 Rueil-Malmaison Cedex
FRANCE

www.schneider-electric.com

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