

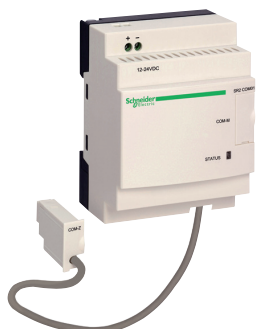
SR2A201BD



"Zelio Soft 2" software



SR2PACK●●●●



Modem communication interface

Compact smart relays with display

Number of I/O	Discrete inputs	Including 0-10 V $\sim$ analog inputs	Relay outputs	Transistor outputs	Clock	Reference	Weight kg/ lb
24 V $\sim$ power supply							
12	8	0	4	0	Yes	SR2B121B	0.250 0.551
20	12	0	8	0	Yes	SR2B201B	0.380 0.838
48 V $\sim$ power supply							
20	12	0	8	0	No	SR2A201E (1)	0.380 0.838
100...240 V $\sim$ power supply							
10	6	0	4	0	No	SR2A101FU (1)	0.250 0.551
12	8	0	4	0	Yes	SR2B121FU	0.250 0.551
20	12	0	8	0	No	SR2A201FU (1)	0.380 0.838
					Yes	SR2B201FU	0.380 0.838
12 V $\sim$ power supply							
12	8	4	4	0	Yes	SR2B121JD	0.250 0.551
20	12	6	8	0	Yes	SR2B201JD	0.380 0.838
24 V $\sim$ power supply							
10	6	0	4	0	No	SR2A101BD (1)	0.250 0.551
12	8	4	4	0	Yes	SR2B121BD (2)	0.250 0.551
			0	4	Yes	SR2B122BD (2)	0.220 0.485
20	12	2	8	0	No	SR2A201BD (1)	0.380 0.838
		6	8	0	Yes	SR2B201BD (2)	0.380 0.838
			0	8	Yes	SR2B202BD (2)	0.280 0.617

"Zelio Soft 2" software

See [page 20](#).

Accessories

See [page 20](#).

Compact "discovery" packs

Pack contents:

Compact smart relays with display SR2B●●●●● + PC connecting cable SR2USB01

Number of I/O	Pack contents (references)	Reference	Weight kg/lb
100...240 V $\sim$ power supply			
12	SR2B121FU + SR2USB01	SR2PACKFU	0.700 1.543
20	SR2B201FU + SR2USB01	SR2PACK2FU	0.850 1.874
24 V $\sim$ power supply			
12	SR2B121BD + SR2USB01	SR2PACKBD (2)	0.700 1.543
20	SR2B201BD + SR2USB01	SR2PACK2BD (2)	0.700 1.543

Modem communication interface

12...24 V $\sim$ power supply

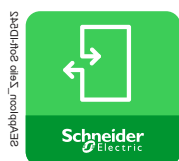
Description	Reference
Modem communication interface	See page 32

(1) Programming in ladder language only

(2) The 0-10 V $\sim$ analog inputs on SR2B●●●BD compact smart relays can be connected to NTC (negative temperature coefficient) temperature probes. See probes on [page 21](#).



SR2E121BD



"Zelio Soft 2" software



Modem communication interface

Compact smart relays without display

Number of I/O	Discrete inputs	Including 0-10 V $\sim$ analog inputs	Relay outputs	Transistor outputs	Clock	Reference	Weight kg/lb
24 V $\sim$ power supply							
12	8	0	4	0	Yes	SR2E121B	0.220 0.485
20	12	0	8	0	Yes	SR2E201B	0.350 0.772
100...240 V $\sim$ power supply							
10	6	0	4	0	No	SR2D101FU (1)	0.220 0.485
12	8	0	4	0	Yes	SR2E121FU	0.220 0.485
20	12	0	8	0	No	SR2D201FU (1)	0.350 0.772
					Yes	SR2E201FU	0.350 0.772
24 V $\sim$ power supply							
10	6	0	4	0	No	SR2D101BD (1)	0.220 0.485
12	8	4	4	0	Yes	SR2E121B (2)	0.220 0.485
20	12	2	8	0	No	SR2D201BD (1)	0.350 0.772
		6	8	0	Yes	SR2E201BD (2)	0.350 0.772

"Zelio Soft 2" software

See [page 20](#).

Accessories

See [page 20](#).

Modem communication interface

12...24 V $\sim$ power supply

Description	Reference
Modem communication interface	See page 32

(1) Programming in ladder language only

(2) The 0-10 V $\sim$ analog inputs on SR2E●●●BD compact smart relays can be connected to NTC (negative temperature coefficient) temperature probes. See probes on [page 21](#).



SR3B261B



"Zelio Soft 2" software



SR3PACK...

Modular smart relays with display

Number of I/O	Discrete inputs	Including 0-10 V $\overline{\text{---}}$ analog inputs	Relay outputs	Transistor outputs	Clock	Reference	Weight kg/lb
24 V $\sim$ power supply							
10	6	0	4	0	Yes	SR3B101B	0.250 0.551
26	16	0	10 (1)	0	Yes	SR3B261B	0.400 0.882
100...240 V $\sim$ power supply							
10	6	0	4	0	Yes	SR3B101FU	0.250 0.551
26	16	0	10 (1)	0	Yes	SR3B261FU	0.400 0.882
12 V $\overline{\text{---}}$ power supply							
26	16	6	10 (1)	0	Yes	SR3B261JD	0.400 0.882
24 V $\overline{\text{---}}$ power supply							
10	6	4	4	0	Yes	SR3B101BD (2)	0.250 0.551
			0	4	Yes	SR3B102BD (2)	0.220 0.485
26	16	6	10 (1)	0	Yes	SR3B261BD (2)	0.400 0.882
			0	10	Yes	SR3B262BD (2)	0.300 0.661

"Zelio Soft 2" software

See [page 20](#).

Accessories

See [page 20](#).

Modular "discovery" packs

Pack contents:

Modular smart relays with display SR3B... + PC connecting cable SR2USB01

Number of I/O	Pack contents (references)	Reference	Weight kg/lb
100...240 V $\sim$ power supply			
10	SR3B101FU + SR2USB01	SR3PACKFU	0.700 1.543
26	SR3B261FU + SR2USB01	SR3PACK2FU	0.850 1.874
24 V $\overline{\text{---}}$ power supply			
10	SR3B101BD (2) + SR2USB01	SR3PACKBD (2)	0.700 1.543
26	SR3B261BD (2) + SR2USB01	SR3PACK2BD (2)	0.850 1.874

(1) Including 8 outputs with maximum current of 8 A and 2 outputs with maximum current of 5 A.
Note: The Zelio Logic smart relay and its associated extension modules must have an identical voltage to be able to operate together.

(2) The 0-10 V $\overline{\text{---}}$ analog inputs on SR3B...BD modular smart relays can be connected to NTC (negative temperature coefficient) temperature probes. See probes on [page 21](#).



Modbus serial link
communication extension
module



Ethernet Modbus/TCP
communication extension
module



SR3XT141JD



Modem communication interface

Communication extension module (1)

24 V $\overline{\text{---}}$ power supply (via SR3B...BD smart relays)

Used for	Communication ports	Reference
SR3B...1BD and SR3B...2BD Zelio Logic modular smart relays	Modbus RS485 serial link (RJ45)	See page 22
	Ethernet Modbus/TCP (RJ45)	See page 22

Analog I/O extension module (2)

24 V $\overline{\text{---}}$ power supply (via Zelio Logic SR3B...BD smart relay)

Number of I/O	Inputs	Including $\overline{\text{---}}$ 0-10 V	Including 0-20 mA	Including Pt100	0-10 V $\overline{\text{---}}$ output	Reference
4	2	Up to 2	Up to 2	Up to 1	2	See page 30

Discrete I/O extension modules

Number of I/O	Discrete inputs	Relay outputs	Reference	Weight kg/ lb
24 V $\sim$ power supply (via Zelio Logic SR3B...B smart relays)				
6	4	2	SR3XT61B	0.125 0.276
10	6	4	SR3XT101B	0.200 0.441
14	8	6 (3)	SR3XT141B	0.220 0.485
100-240 V $\sim$ power supply (via Zelio Logic SR3B...FU smart relays)				
6	4	2	SR3XT61FU	0.125 0.276
10	6	4	SR3XT101FU	0.200 0.441
14	8	6 (3)	SR3XT141FU	0.220 0.485
12 V $\overline{\text{---}}$ power supply (via Zelio Logic SR3B261JD smart relay)				
6	4	2	SR3XT61JD	0.125 0.276
10	6	4	SR3XT101JD	0.200 0.441
14	8	6 (3)	SR3XT141JD	0.220 0.485
24 V $\overline{\text{---}}$ power supply (via Zelio Logic SR3B...BD smart relays)				
6	4	2	SR3XT61BD	0.125 0.276
10	6	4	SR3XT101BD	0.200 0.441
14	8	6 (3)	SR3XT141BD	0.220 0.485

Modem communication interface (4)

12...24 V $\overline{\text{---}}$ power supply

Description	Reference
Modem communication interface	See page 32

(1) See [page 22](#).

(2) See [page 30](#).

(3) Including 4 outputs with maximum current of 8 A and 2 outputs with maximum current of 5 A.

(4) See [page 32](#).

Note: The Zelio Logic smart relay and its associated extension modules must have an identical voltage to be able to operate together.



Zelio Soft 2



HMISTO705



SR2USB01



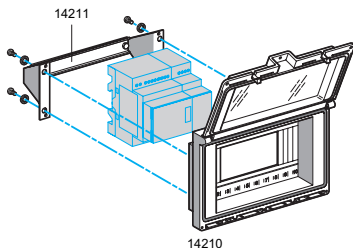
SR2CBL09



SR2BTC01



SR2MEM02



Modicon regulated switch mode power supply ABLM1A24012

Programming

Description	Use	Reference	Weight kg/ lb
"Zelio Soft 2" software			
Programming software "Zelio Soft 2", multilingual	For PC and 32-bit and 64-bit operating systems compatible with Windows 7, 8.1, and 10 This software was previously supplied on CD. It is now supplied as a free download available on our website .	Free download from our website	

HMI

Harmony Small Panel with color TFT touch screen	4.3" color screen 26 MB application memory capacity Programmed using EcoStruxure Operator Terminal Expert	HMISTO705 (1) (3)	0.220 0.485
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Connection accessories

Connecting cables Length: 3 m (9.84 ft) For use with "Zelio Soft 2"	Between the PC (9-way SUB-D connector) and the Zelio Logic smart relay (programming port connector)	SR2CBL01	0.150 0.331
	Between the PC (USB connector) and the Zelio Logic smart relay (programming port connector)	SR2USB01	0.100 0.220
Connecting cables Length: 2.5 m (8.2 ft)	Between the Harmony Small Panel HMISTO705 (9-way removable screw terminal block) and the Zelio Logic smart relays (programming port connector)	SR2CBL09	-
Bluetooth interface for Zelio Logic smart relays	Between the PC (wireless link) and the Zelio Logic smart relay. Range of 10 m (32.8 ft) (class 2)	SR2BTC01	0.015 0.033

Memory cartridges (2)

EEPROM memory cartridges	For firmware (software embedded in the smart relay) version ≤ 2.4	SR2MEM01	0.010 0.022
	For firmware (software embedded in the smart relay) version ≥ 3.0	SR2MEM02	0.010 0.022

Mounting accessories

Description/use	Mounting capacity	Reference	Weight kg/ lb
Dust- and damp-proof enclosure with split blanking plate arrangement, equipped with an IP55 dust- and damp-proof window with hinged flap for mounting through a door	- 1 or 2 SR2 smart relays with 10 or 12 I/O - or 1 SR2 smart relay with 20 I/O - or 1 SR3 smart relay with 10 I/O + 1 I/O extension module with 6, 10 or 14 I/O - 1 SR3 smart relay with 26 I/O + 1 I/O extension module with 6 I/O	14210	0.350 0.772
Mounting bracket and symmetrical mounting rail	For mounting enclosure 14210 through a door panel	14211	0.210 0.463

Online documentation available

User Manuals for direct programming on the Zelio Logic smart relay (in English, French, German, Italian, Portuguese, or Spanish): downloadable from our [website](#).

Regulated switch mode power supplies

Input voltage	Nominal output voltage	Reference
100...240 V ~ (50/60 Hz)	5 V $\square$, 12 V $\square$, or 24 V $\square$	Refer to the Modicon Power Supply catalog Ref. DIA3ED2170401EN

Converters

Description	Reference
Converters for thermocouples types J and K, Pt100 probes, and voltage/current	Refer to the Harmony Analog catalog Ref. DIA5ED2210501EN

(1) The SR2CBL09 cable used to connect an HMISTO705 panel to a smart relay must be equipped with a shunt between the terminals marked CTS and RTS. This shunt is included on all cables leaving the factory after June 2017 (date code 1722).

(2) The use of memory cartridge SR2MEM02 to load the program is not compatible with the SR2COM01 modem communication interface.

(3) The Harmony HMISTO705 terminals cannot be used on logic modules that only use the LADDER language.



SR3MBU01BD



SR3NET01BD



MCSESU053FN0



TWDXCAT3RJ



TWDXCAISO

Modbus serial link and Ethernet Modbus/TCP network communication extension modules

For use with	Communication ports	Reference	Weight kg/lb
Modular smart relays SR3B●●1BD and SR3B●●2BD	Serial link (RJ45)	SR3MBU01BD	0.110 0.242
	Ethernet (RJ45)	SR3NET01BD (1)	0.110 0.242

Connection accessories

Designation	Description	Network	Reference	Weight kg/lb
Modicon unmanaged Ethernet switch	☐ 5 copper ports ☐ Certified CE, UL, and RCM	Ethernet TCP/IP	MCSESU053FN0	0.125 0.275
Junction boxes	☐ Screw terminals for trunk cable ☐ 2x RJ45 connectors for tap link ☐ Isolation of RS 485 serial link ☐ Polarization and line termination ☐ 24 V $\overline{\text{---}}$ power supply ☐ Mounting on $\overline{\text{---}}$ rail (35 mm/1.38 in.)	Modbus serial link	TWDXCAISO	0.100 0.220
	☐ 3x RJ45 connectors ☐ Polarization and line termination ☐ Mounting on $\overline{\text{---}}$ rail (35 mm/1.38 in.)	Modbus serial link	TWDXCAT3RJ	0.080 0.176
Line terminator	☐ For RJ45 connector ☐ R = 120 Ω , C = 1 nF	Modbus serial link	VW3A8306RC	0.200 0.440

Designation	Description	Network	Length m/ft	Reference	Weight kg/lb
T-junctions	☐ 2x RJ45 connectors ☐ 1 integrated cable with RJ45 connector	Modbus serial link	0.3/0.98	VW3A8306TF03	0.190 0.418
			1/3.28	VW3A8306TF10	0.210 0.462
			3/9.84	VW3A8306R30	0.150 0.330
RS 485 extension cables	☐ 2x RJ45 connectors	Modbus serial link	0.3/0.98	VW3A8306R03	0.030 0.066
			1/3.28	VW3A8306R10	0.050 0.110
			3/9.84	VW3A8306R30	0.150 0.330
Straight-through shielded twisted pair extension cables	☐ 2x RJ45 connectors	Ethernet Modbus/TCP	2/6.56	490NTW00002 (2)	—
			5/16.4	490NTW00005 (2)	—
			12/39	490NTW00012 (2)	—
			40/131	490NTW00040 (2)	—
			80/262	490NTW00080 (2)	—

(1) Can only be used in FBD language.

(2) Cable compliant with EIA/TIA-568 Category 5 and IEC 1180/EN 50173 Class D.
For UL and CSA 22.1 approved cables, add the letter **U** at the end of the reference.



SR3XT43BD

Analog I/O extension module							
24 V  power supply (via SR3B●●●BD smart relays)							
Number of I/O	Number of inputs	Including 0-10 V	Including 0-20 mA	Including Pt100	0-10 V output	Reference	Weight kg/lb
4	2	2 max.	2 max.	1 max.	2	SR3XT43BD (1)	0.110/ 0.243

(1) Can only be used in FBD language.