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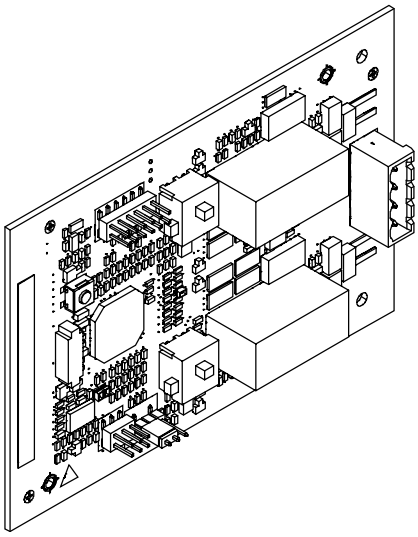

XCI2001-U1

Releasing module

Mounting

Installation

A6V10315050_e_en_--
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Building Technologies

Siemens Industry, Inc.

Legal notice

Technical specifications and availability subject to change without notice.

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Table of contents

1 Description

The releasing module XCI2001 supports activation of releasing valves in releasing and sprinkler systems. Activation can be event-controlled or performed manually. The releasing module is mounted on the periphery board.

Properties

- Automatic or manual activation
- Dual-channel control
- Supervision of releasing circuit (wiring as class A or class B circuit)
- Supports several valve systems
- Suited to indoor applications (not wet rooms)

2 Mounting

The releasing module XCI2001 is installed on the periphery board as shown and screwed onto the back box. Slot X901 is also used for the NAC module (1A/2B).

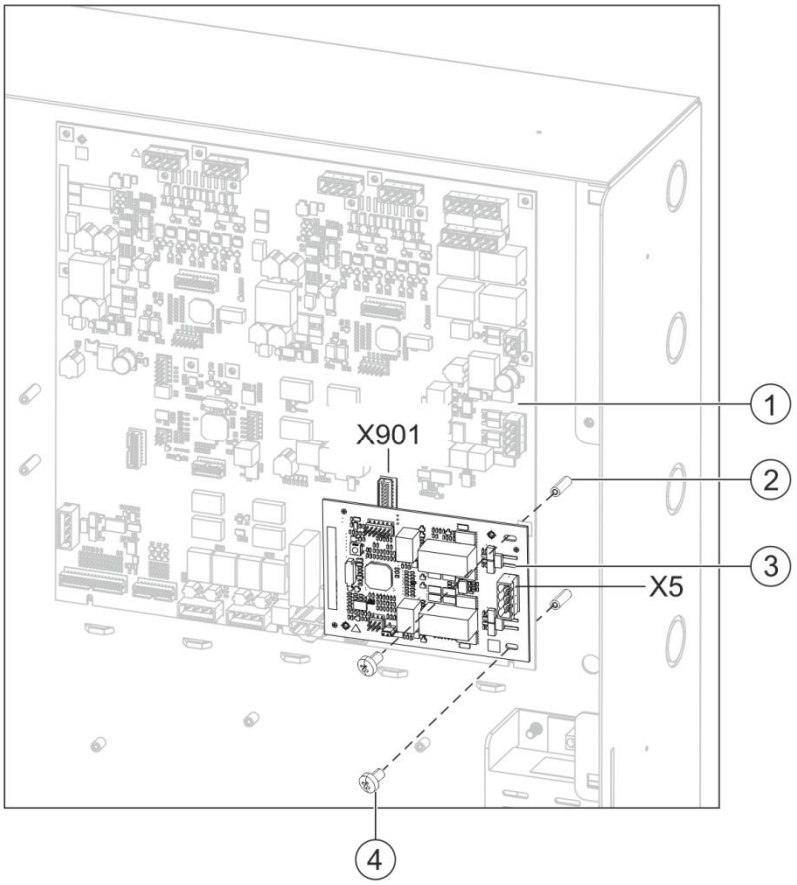


Figure 1: Installing the releasing module on the periphery board

1	Periphery board (250p) or periphery board (500p)
2	Threaded standoffs on back box
3	Releasing module XCI2001
4	2x fixing screw
X901	Slot in periphery board
X5	Connection terminal on releasing module

1. Plug the releasing module (3) into slot X901 on the periphery board.
2. Fasten the releasing module to the threaded standoffs (2) in the back box using the two fixing screws (4).
3. Wire up the releasing module according to the pin assignment.

3 Views

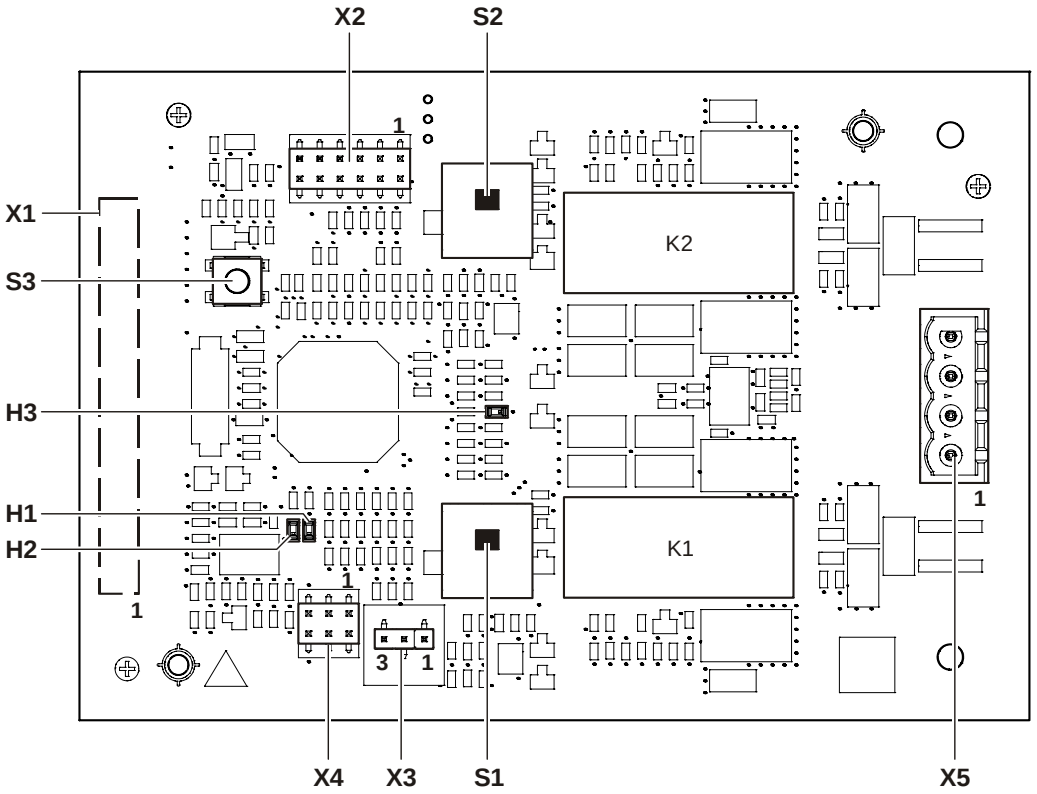


Figure 2: Printed circuit board view for XCI2001

Element	Des.	Function
Connector	X1	Plug for periphery board connection
	X2	Service plug for programmed connection (not used)
	X4	Diagnostic service plug (not used)
	X5	Releasing relay outputs
Adjustment elements	S1*	Switch: Arm/Disarm releasing output 1
	S2*	Switch: Arm/Disarm releasing output 2
	S3	Reset key
	X3	Jumper for degraded mode enable
LEDs	H1	Display: Releasing output 1 status ON/OFF
	H2	Display: Releasing output 2 status ON/OFF
	H3	Flashing: Releasing module is active

* For Class A wiring, both S1 and S2 must be in the same position at all times when used to disarm or arm the circuit.

4 Pin assignments for releasing module

4.1 X5 plug connection for releasing relay output

Pin	Designation	Description
4	REL_CIR1 (+)	Relay output for releasing 1
3	REL_CIR1 (-)	Relay output for releasing 1
2	REL_CIR2 (+)	Relay output for releasing 2
1	REL_CIR2 (-)	Relay output for releasing 2

Admissible cable cross-section: 12…18 AWG, unshielded
XCI2001-U1 supports two Class B circuits or one Class A circuit as shown below:

Class B wiring

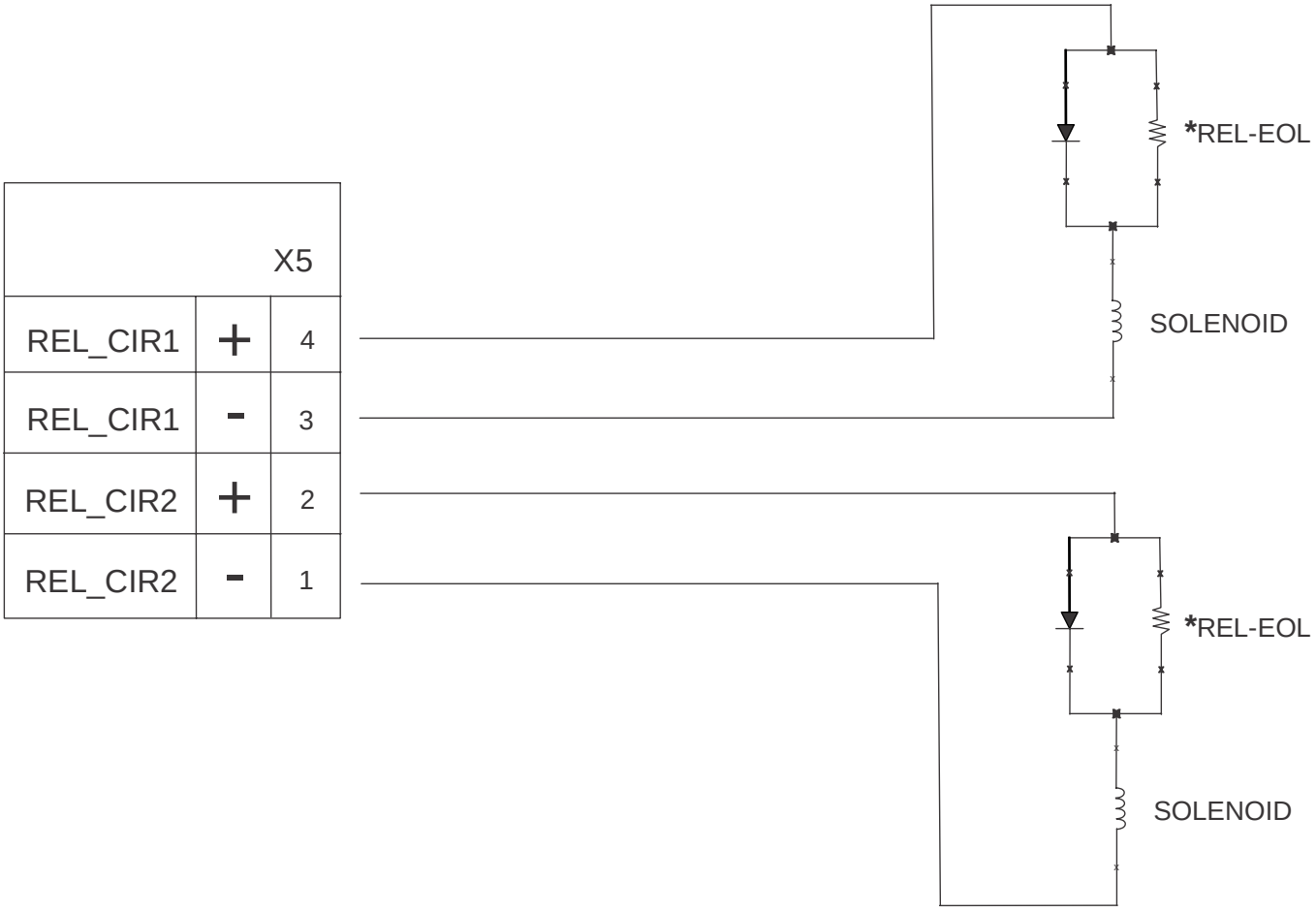


Figure 3: Class B wiring

Class A wiring

		X5
REL_CIR1	+	4
REL_CIR1	-	3
REL_CIR2	+	2
REL_CIR2	-	1

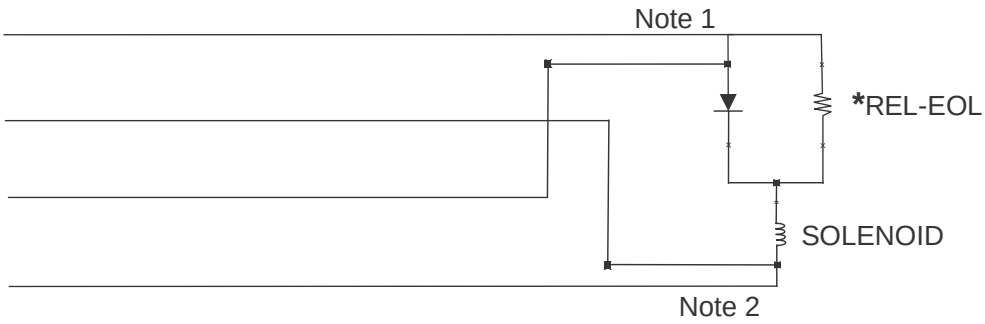


Figure 4: Class A wiring

Note 1	Loop wires must be terminated directly onto the SOLENOID
Note 2	Loop wires must be terminated directly onto the SOLENOID

*REL-EOL: Terminating resistor 24 kΩ and diode (Siemens part number 500-696359)
The maximum length of line of the relay connections is limited to a resistance of 3.5 Ω.

5 Indicators

LED indicators

LED	Color	Function	Condition	Meaning
H1	Green	Status of releasing circuit 1	Off	Releasing circuit 1 inactive
			On	Releasing circuit 1 activated
H2*	Green	Status of releasing circuit 2	Off	Releasing circuit 2 inactive
			On	Releasing circuit 2 activated
H3	Green	Status of processor	Off (steady)	Processor is not running
			Flashing	Processor is running
			On (steady)	Processor is not running

* Not applicable for Class A wiring.

6 Adjusting elements for releasing module

S1 and S2, switches to arm/disarm the releasing outputs

Button	Function	Position	Meaning
S1	Arming of releasing 1	OFF	Releasing output 1 disarmed (supervisory mode)
		ON	Releasing output 1 armed (normal)
S2	Arming of releasing 2	OFF	Releasing output 2 disarmed (supervisory mode)
		ON	Releasing output 2 armed (normal)

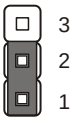
S1 and S2 control output

- The outputs are disarmed in the OFF position. The relays are disarmed but are still supervised.
- The outputs are armed in the ON position.
- For Class A wiring, both S1 and S2 must be in the same position at all times when used to disarm or arm the circuit.

S3, reset key for releasing module

Button	Function	Position	Meaning
S3	RESET	Pressed	The module is reset.

Jumper X3, degraded mode enable for releasing

X3	Jumper position	Function	Meaning
	3 - 2	Activated	No degrade operation allowed (Default)
	1 - 2	Deactivated	Degrade operation allowed

Jumper X3 must agree with the panel configuration or a trouble will be displayed.

7 Technical data

Supply input	Voltage	DC 24 V
	Quiescent current	11 mA at DC 24 V
	Output voltage	DC 24 V Special Application
	Output current	2.0 A per output channel
Connection terminals	Design	Screw terminals
	Admissible cable cross-section	12AWG...18AWG, not shielded
Relay outputs	Maximum line resistance	3.5 Ω
Preaction deluge	Maximum line resistance	2.5 Ω
	Minimum voltage at the coil	DC 20.4 V
Mechanical data	Dimensions (W x H)	~3.25 x 4.75" / ~8.25 x 12.05 cm
	Weight	Approx. 3.2 oz / 90 g

8 FCC Statement

⚠ WARNING

Installation and usage of equipment is not in accordance with instructions manual

Radiation of radio frequency energy

Interference to radio communications

- Install and use equipment in accordance with instructions manual.
- Read the following information.

This equipment generates, uses, and can radiate radio frequency energy and if not installed and used in accordance with the instructions manual, may cause interference to radio communications.

It has been tested and found to comply with the limits for a Class A computing device pursuant to Part 15 of FCC Rules, which are designed to provide reasonable protection against such interference when operated in a commercial environment.

Operation of this equipment in a residential area is likely to cause interference in which case the user at his own expense will be required to take whatever measures may be required to correct the interference.

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