

## ALMEMO® relay trigger adapter, analog ZA 8006 RTA3 for connecting to ALMEMO® devices



- Universal trigger output interface for connecting to output sockets on ALMEMO® devices - from version V6 up (not 2390, 8390). device firmware update may be needed.
- Up to 10 peripheral elements (relays, trigger inputs, analog outputs) each with individually configurable function
- Relay functions, total alarm, assignment to particular limit values, or addressing via interface
- Integrated alarm signaling device can be assigned to all relay functions.
- Inverse relay addressing for alarm in the event of power failure
- Programmable messages to be issued when relays are activated
- Comprehensive trigger features with the aid of command macros, addressing via 2 keys or electrical signals
- Either 2 or 4 analog outputs (10 V or 20 mA) can be assigned to any measuring channels, scalable sub-areas, or alternatively addressing via interface.
- Analog output type 10 V or 20 mA (programmable)
- All programming and peripheral states shown on illuminated graphics display
- Keypad for selecting menu and port
- Watchdog function in the event of a failure of ALMEMO®

ZA 8006 RTA3 U6.01	ZA 8006 RTA3 Socket: A2
All Ports	Port: 0 1 2 3 4 5 6 7 8 9
Single Ports	Type: RR RR -- AA TT
Device Configuration	Activ: ✓ ✓ ✓
Messages	x923: 1 / / 1 U A
F ▶ *ON	TR8 MENU P *ON TR9

menu selection

all peripherals

ZA 8006 RTA3 Socket: A2	Messages: 2
Port: 0 Adr: 20	Port: 0 3
Relay: Normally open 0.5A	Port 3:
-8: external steered inv	Furnace overheated
State: active	Tel: 08024-3007-99
Contact: x2-x3 open	OFF P *ON
TR8 MENU P *ON TR9	

relais

messages

ZA 8006 RTA3 Socket: A2	ZA 8006 RTA3 Socket: A2
Port: 8 Adr: 28	Port: 6 Adr: 26
Trigger: Key + Optokoppler	AnalogoutPut: 0-10 U
0: Start-Stop	2: int. assigned MO1
State: inactive	Analogue value: 3.4560 U
Connection: x3 - x2: +	Connection: x3 - x2: +
TR8 MENU P *ON TR9	TR8 MENU P *ON TR9

trigger inputs

analog outputs

- device or computer addressing
- Connection of peripherals via ALMEMO® clamp connectors, cable with anti-kink protective sleeve and strain relief
- Power supply via the ALMEMO® device; in case of the analog output option a mains adapter may also be required.
- Modern, compact housing - also suitable for DIN top-hat rail mounting

**On request:** ALMEMO® output interface ZA8006RTA4 for connection to the PC (directly or via network).



### Technical Data

Trigger inputs	Optocoupler, 4 to 30 V, Ri >3 kohms
Relay	Semiconductor relay 50 V, 0.5 A, 1 ohms
Analog outputs	10 V or 20 mA (programmable) 16-bit DAC, electrically isolated
0.0 to 10.0 V	0.5m V / digit, Load > 100 kohms
0.0 to 20.0mA	1 µA / digit, Load <500 ohms
Accuracy	± 0.1% of meas. val. ±0.1% of final val.
Temperature drift	10 ppm / K

Power supply	via ALMEMO® device or mains adapter ZA1312NA12 (recommended for analog output option)
Current consumption (with 9V supply)	approx. 10 mA, Lighting approx. 15 mA 2 analog outputs approx. 30 mA + 1.6 I <sub>out</sub>
Display	Graphics 128 x 64 (55 x 30 mm) Lighting 2 white LEDs
Keypad	7 silicone keys (4 soft-keys)
Housing	127 x 83 x 42 mm (LxWxH) ABS (maximum 70°C), 290 g

**Basic version** 2 trigger inputs and 4 normally open relays

**Options** 2 additional relays (normally open) OA8006SH2

Per normally open pair 2 additional normally closed relays  
(with normally open relays 2 changeover relays) OA8006OH2

2 analog outputs (common ground), electrically isolated  
10 V or 20 mA (programmable) OA8006R02

### Possible combinations

- 1x OA8006SH2 (+2 relays)
- or 1x OA8006SH2 (+2 relays) + 1x OA8006R02 (+2 analog outputs)
- or 2 x OA8006OH2 (+4 analog outputs)

### Accessories

Mains unit, 12 V, 1.5 A	ZA1312NA12
DIN tophat rail mounting	ZB2490HS

### Variants

ALMEMO® relay trigger adapter with 2 trigger inputs, 4 normally open relays, DC socket, graphics display, and keypad, including 1.5-meter ALMEMO® connecting cable and 3 ALMEMO® clamp connectors

### Order no.

**ZA8006RTA3**