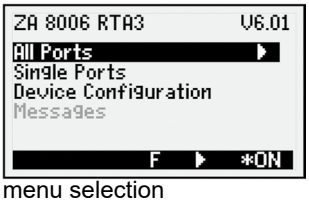
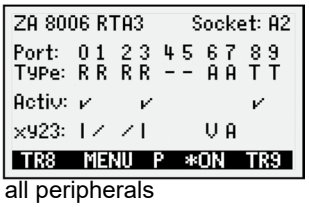
ALMEMO® relay trigger adapter, analog ZA 8006 RTA3 for connecting to ALMEMO® devices





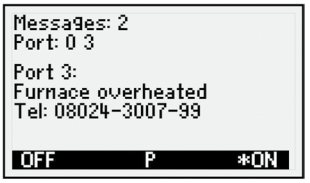
menu selection



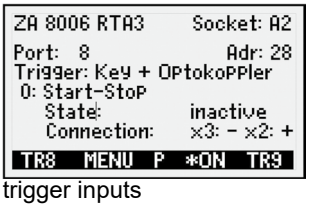
all peripherals



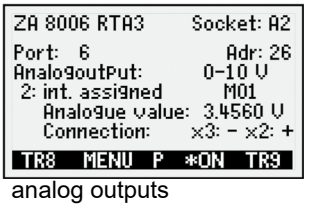
relais



messages



trigger inputs



analog outputs

- 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® 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 ohm
Analog outputs	10 V or 20 mA (programmable) 16-bit DAC, electrically isolated
0.0 to 10.0 V	0.5 mV / digit, Load >100 kohms
0.0 to 20.0 mA	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 9 V supply)	approx. 10 mA, Lighting approx. 15 mA 2 analog outputs approx. 30 mA + 1.6 I_{Out}
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 OA800R0H2 (+4 analog outputs)

Accessories

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

Variants

	Order no.
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	**ZA8006RTA3**