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® device or computer addressing

On request: ALMEMO® output interface ZA 8006 RTA4 for connection to the PC (directly or via network).

Technical Data

<table>
<thead>
<tr>
<th>Trigger inputs</th>
<th>Optocoupler, 4 to 30 V, Ri &gt;3 kohms</th>
</tr>
</thead>
<tbody>
<tr>
<td>Relay</td>
<td>Semiconductor relay 50 V, 0.5 A, 1 ohms</td>
</tr>
<tr>
<td>Analog outputs</td>
<td>10 V or 20 mA (programmable)</td>
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<tr>
<td></td>
<td>16-bit DAC, electrically isolated</td>
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<tr>
<td></td>
<td>0.0 to 10.0 V 0.5 mV / digit, Load &gt; 100 kohms</td>
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<tr>
<td></td>
<td>0.0 to 20.0 mA 0.1 mA / digit, Load &lt;500 ohms</td>
</tr>
<tr>
<td>Accuracy</td>
<td>0.1% of meas. val. +0.1% of final val.</td>
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<tr>
<td>Temperature drift</td>
<td>10 ppm / K</td>
</tr>
<tr>
<td>Time constant</td>
<td>100 µs</td>
</tr>
<tr>
<td>Power supply</td>
<td>via ALMEMO® device</td>
</tr>
</tbody>
</table>

Basic version 2 trigger inputs and 4 normally open relays

Options
- 2 additional relays (normally open) OAx006SH2
- Per normally open pair 2 additional normally closed relays OAx006OH2
- 2 analog outputs (common ground), electrically isolated 10 V or 20 mA (programmable) OAx006R02

Possible combinations
1x OAx006SH2 (+2 relays)
1x OAx006SH2 (+2 relays) + 1x OAx006R02 (+2 analog outputs)
2 x OAx006R0H2 (+4 analog outputs)

Accessories
- Mains unit, 12 V, 2 A ZA1312NA10
- 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 a 1.5-meter ALMEMO® connecting cable and 3 ALMEMO® clamp connectors ZA8006RTA3