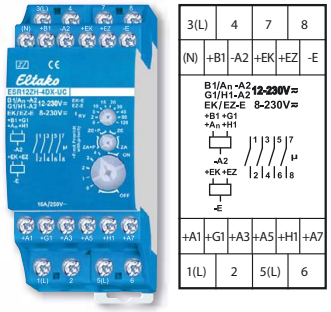
ELECTRONIC 4-FOLD IMPULSE SWITCH WITH INTEGRATED RELAY FUNCTION FOR HOTEL APPLICATIONS ESR12ZH-4DX-UC



ESR12ZH-4DX-UC

Electronic 4-fold impulse switch with integrated relay function for hotel applications

4-channel impulse relay with integrated keycard switch logic for hotel rooms. Convenient control of lighting and appliances with welcome scene, delayed release, and central priority function. Energy-efficient thanks to bistable relays and minimal standby power consumption.
When the room keycard is inserted, a preset **welcome scene** is automatically activated.
The corresponding configured relay contact(s) are then switched on (e.g., entrance area lighting and ceiling light).
When the card is removed, the lighting remains switched on for the set **delayed release time (0–120 s).**
After this time, all assigned contacts are switched off centrally.
In the event of a power failure, the relay contacts remain in their last switching state.
This state is retained unchanged after power is restored.

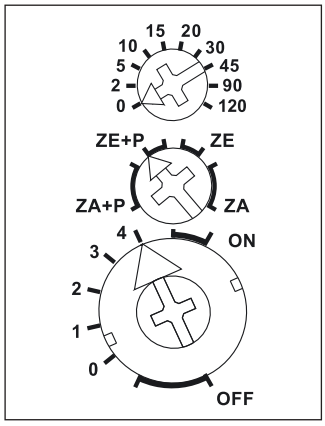
Function:

- 4 potential-free normally open contacts
- 4 local pushbutton inputs
- Central input (ZE/ZA, each with or without priority)
- Group ON/OFF inputs
- Central commands with priority
- Input EK for connecting a keycard switch for a welcome scene (0–4 contacts configurable)
- Adjustable release delay of 0–120 s when card is removed (input EK).

DX technology

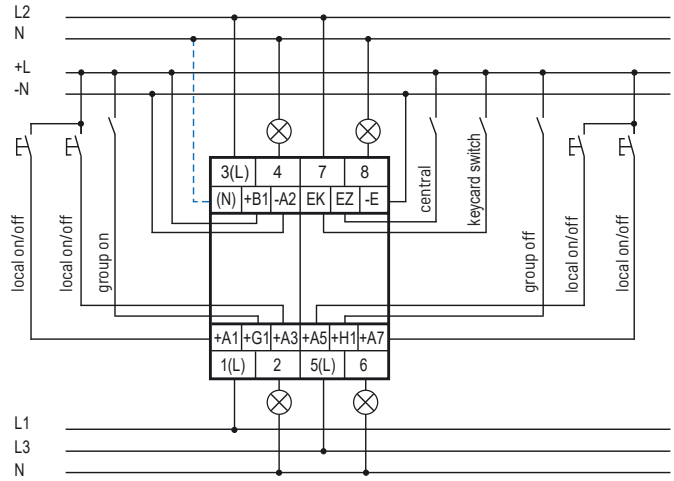
Zero-crossing switching (up to 3 contacts with N connected) to reduce contact wear and increase service life.

Function rotary switches



Standard setting ex works.

Example of typical circuit:



If N is connected, the zero passage switching is active at the contacts 1-2, 3-4 and 5-6.

Technical data:

- **Supply voltage:** 12..230 V UC
- **Contacts:** 4 NO contacts, potential free
- **Rated switching capacity:** 250 V AC/16 A
- LED lamps up to 200 W/600 W with DX
- Incandescent lamps up to 2000 W
- **Standby power consumption: 0.03–0.4 W**
- Central input (ZE/ZA, each with or without priority)
- Central commands with priority
- Group ON/OFF inputs
- **Control inputs:**
  - Local/Group: 12–230 V UC
  - Central/Keycard switch: 8–230 V UC
- **Mounting:** DIN rail EN 60715 (TH35)
- **Installation width:** 2 modules (36 mm)
- **Ambient temperature:** –20 °C to +50 °C

Manuals and documents in further languages:
https://eltako.com/redirect/ESR12ZH-4DX-UC

ESR12ZH-4DX-UC	Electronic 4-fold impulse switch with integr. relay function for hotel applications	**Art. No. 21400303**	**113,09 €/pc.**

Technical data page 11-18.
Housing for operating instructions GBA14 page 1-49 chapter 1.

Recommended retail prices excluding VAT.