# Overview Shutter Actuators

| Series | JAL-0x10.02 | JAL-0x10M.02 | JAL-0x10D.02 | JAL-01UP.02 | JAL-B1UP.02 | AKU-xx16.03 | AKU-xxUP.03 |
|---|---|---|---|---|---|---|---|
| Installation type | MDRC | MDRC | MDRC | flush mounted | flush mounted | MDRC | flush mounted |
| Number of channels | 2 / 4 / 8 | 4 / 8 | 4 / 8 | 1 | 1 | 4 / 6 / 8 / 16 / 24 | 2 / 2 |
| Number of inputs | – | – | – | – | 4 | – | - / 4 |
| Dimensions (SU) | 2 / 4 / 8 | 4 / 8 | 4 / 8 | UP | UP | 4 / 4 / 4 / 8 / 12 | UP |
| Motor type | 230 V AC | 230 V AC | 24 V DC | 230 V AC | 230 V AC | 230 V AC | 230 V AC |
| Max. switching current | 8 A | 8 A | 8 A | 6 A | 6 A | 16 A | 10 A |
| Max. load shutter motor | 300 W | 300 W | 180 W | 300 W | 300 W | 600 W | 300 W |
| Automatic travel time measurement | – | ■ | – | – | – | – | – |
| Commutator circuit for 24 V DC motors | – | – | ■ | – | – | – | – |
| Manual operation | ■ | ■ | ■ | – | – | ■ | – |
| Manual operation lockable | ■ | ■ | ■ | – | – | ■ | – |
| Status LED for each channel | ■ | ■ | ■ | – | – | ■ | – |
| Turn off LEDs (Ecomode) | ■ | ■ | ■ | – | – | ■ | – |
| Tip operation for accurate shutter positioning | ■ | ■ | ■ | ■ | ■ | ■ | ■ |
| Up / Down for stop (single object control) | ■ | ■ | ■ | ■ | ■ | ■ | ■ |
| Reversible motor connections Up / Down | ■ | ■ | ■ | ■ | ■ | ■ | ■ |
| Central functions separately lockable | ■ | ■ | ■ | ■ | ■ | ■ | ■ |
| Alarm functions (Wind / Rain / Frost) | ■ | ■ | ■ | ■ | ■ | ■ | ■ |
| Behavior after alarms separately adjustable | ■ | ■ | ■ | ■ | ■ | ■ | ■ |
| Lock functions | ■ | ■ | ■ | ■ | ■ | ■ | ■ |
| Behavior after lock | ■ | ■ | ■ | ■ | ■ | ■ | ■ |
| Extended lock functions | ■ | ■ | ■ | ■ | ■ | ■ | ■ |
| Extended status active / passive | ■ | ■ | ■ | ■ | ■ | ■ | ■ |
| Extended scene functions | ■ | ■ | ■ | ■ | ■ | ■ | ■ |
| Extended automatic positions | ■ | ■ | ■ | ■ | ■ | ■ | ■ |
| Scene functions learnable | ■ | ■ | ■ | ■ | ■ | ■ | ■ |
| Priority object / forced operation | ■ | ■ | ■ | ■ | ■ | ■ | ■ |
| Release time for forced operation | ■ | ■ | ■ | ■ | ■ | ■ | ■ |
| Behavior after forced operation adjustable | ■ | ■ | ■ | ■ | ■ | ■ | ■ |
| Ventilation function (window open / tilt) | ■ | ■ | ■ | ■ | ■ | ■ | ■ |
| Automatic sun protection with sun position calculation | ■ | ■ | ■ | – | ■ | ■ | ■ |
| Sun position calculation | ■ | ■ | ■ | – | ■ | ■ | ■ |
| Outside temperature lockable for sun protection | ■ | ■ | ■ | – | ■ | ■ | ■ |
| Room temperature enabling for sun protection | ■ | ■ | ■ | – | ■ | ■ | ■ |
| 2 shutter positions for roller shutter | ■ | ■ | ■ | – | ■ | ■ | ■ |
| Behavior on bus voltage failure | - / ✓ / ✓ | ■ | ■ | – | – | – | – |
| Behavior on bus voltage return | ■ | ■ | ■ | ■ | ■ | ■ | ■ |
| Switch actuator function | – | – | – | – | – | ■ | ■ |
| Heating control with PWM | – | – | – | – | – | ■ | ■ |
| „In operation" telegram | ■ | ■ | ■ | ■ | ■ | ■ | ■ |
| Long frame support for ETS 5 | ■ | ■ | ■ | ■ | ■ | ■ | ■ |

KNX® · Made in Germany · 3 Year warranty