

MDT Shutter Actuator MDRC 2-fold/ 4-fold/ 8-fold
MDT Shutter Actuator surface mounted 4-fold
MDT Shutter Actuator flush mounted 1-fold

Version		
JAL-0206.01	Shutter Actuator 2-fold	2TE MDRC, 6A, shutter motors 230VAC up to 300W
JAL-0410.01	Shutter Actuator 4-fold	4TE MDRC, 10A, shutter motors 230VAC up to 600W
JAL-0810.01	Shutter Actuator 8-fold	8TE MDRC, 10A, shutter motors 230VAC up to 600W
JAL-0410D.01	Shutter Actuator 4-fold	4TE MDRC, 8A, shutter motors 24VDC up to 180W
JAL-0810D.01	Shutter Actuator 8-fold	8TE MDRC, 8A, shutter motors 24VDC up to 180W
JAL-0410A.01	Shutter Actuator 4-fold	Surface mounted, 10A, shutter motors up to 230VAC up to 600W
JAL-01UP.01	Shutter Actuator 1-fold	Flush mounted, 6A, shutter motors 230VAC up to 300W

The MDT Shutter Actuators receive KNX/EIB telegrams and control up to 8 independent shutter or sunblind drives. Each output uses two monostable relay. The MDRC shutter Actuators can be operated manually via a push button.

The outputs are parameterized individually via ETS3/4. The device provides extensive functions like status response, block functions, central function and positioning shutters, blinds and other hangings. Additionally the device provides up to 8 scenes per channel.

If the mains voltage fails, all outputs are switched off. After bus voltage failure or recovery the position of the shutter is selected in dependence on the parameterization. The Shutter Actuator is available as modular installation device, surface mounted device and flush mounted device for fixed installation in dry rooms.

The MRDC Shutter Actuators use a common power supply terminal for two channels. The surface mounted and flush mounted Shutter Actuators have a common power supply terminal. This feature simplifies the wiring and increases clarity of the circuit.

For project design and commissioning of the Shutter Actuator it is recommended to use the ETS3f/ETS4 or later. Please download the application software at www.mdt.de/downloads.

JAL-0410.01



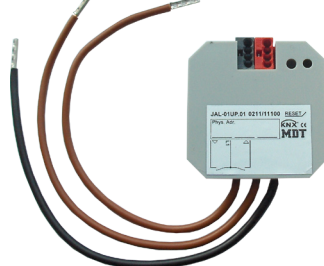
JAL-0410A.01



JAL-0206.01



JAL-01UP.01

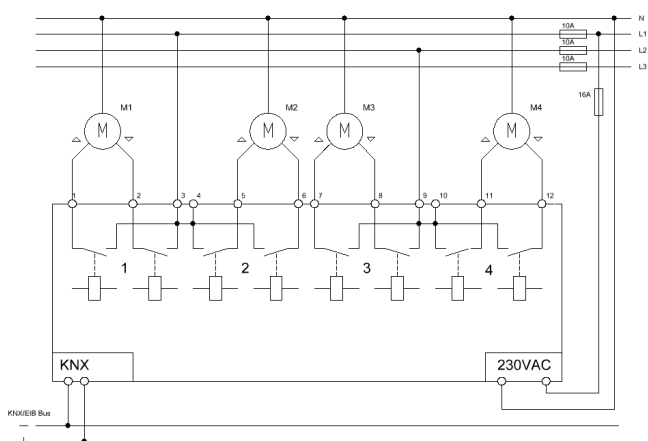


- production in Germany, certified according to ISO 9001
- modern design
- fully compatible to all KNX/EIB devices
- Push Button and LED indicator for each channel
- Operation mode blind/shutter programmable
- Travel-, pause-at-change-of-direction- and step time adjustable
- 1-bit automatic function and sun protection
- 8-bit positioning for shutter and blinds
- 8 scenes per channel, alarm, central- and block functions
- Programmable behavior in case of bus voltage failure or return
- Two contacts share one supply phase (MDRC device)
- Common supply phase (UP and AP device)
- Integrated bus coupling unit
- 3 years warranty

Technical Data	JAL-0410.01 JAL-0810.01 JAL-0410A.01	JAL-0410D.01 JAL-0810D.01	JAL-0206.01 JAL-01UP.01
Configuration			
Number of channels	4/8	4/8	1/2
Power supply			
Supply voltage	230VAC / 50Hz	24VDC / 230VAC / 50Hz	via Bus
Output voltage	230VAC	24VDC	230VAC
Power consumption	< 0,5W	<0,5W	< 0,3W
Output switching current			
Ohmic load	10A	8A	6A
capacitive load	---	---	---
Maximum load			
Shutter motor **	600W	180W	300W
Output life expectancy (mechanical)	1.000.000	1.000.000	1.000.000
max. fuse per channel	16A	10A	10A
permitted wire gauge			
Screw terminal	2,5mm ²	2,5mm ²	2,5mm ²
KNX busconnection terminal	0,8mm ²	0,8mm ²	0,8mm ²
Operation temperature range	0 to + 45°C	0 to + 45°C	0 to + 45°C
Enclosure	IP 20	IP 20	IP 20
Dimensions MDRC	4/8TE	4/8TE	2TE
Dimensions UP/AP (W x H x D)	100mm x 40mm x 88mm	--	41mm x 41mm x 24mm

** no three-phase asynchronous motor

Exemplary circuit diagram JAL-0410.01



Exemplary circuit diagram JAL-0410D.01

