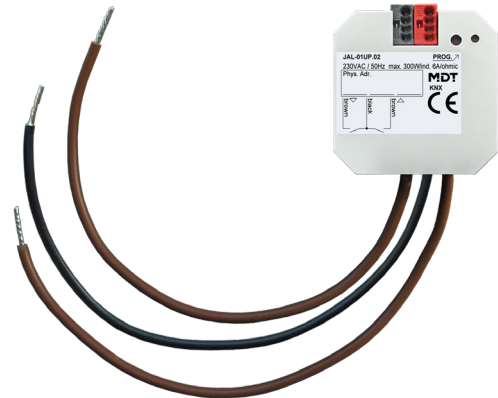


## Shutter Actuator 1-fold, flush mounted (JAL-01UP.02)

MDT shutter actuators are equipped with many additional functions and can do much more than just raise and lower the blinds or roller shutters.

### Wind alarm, rain alarm, fire alarm, lock functions

If, for example, the wind sensor of the MDT weather station triggers a wind alarm, all blinds and awnings can be automatically moved into their protective position. If the smoke detector or the fire alarm system reports a fire, all roller shutters and blinds immediately move up to clear the escape route. If the rain sensor detects precipitation, the blinds on the weather side lower or the awning retracts for protection. For each alarm type, different actions can be configured during and after the alarm is reset. The priority of the alarms is adjustable. The various lock functions allow, for example, the absolute positions to be locked after a manual operation by up/down command.



### Extended frost/ice protection for blinds

At temperatures below 3 degrees Celsius and simultaneous precipitation, the actuator protects the mechanics of the blinds by locking them. After an adjustable temperature has been exceeded and a delay time has elapsed, the blinds are released again.

### Air function and lock-out protection

If the state of the window is recorded, for example, by means of reed contacts and an MDT binary input, the shutter actuator can distinguish between open, tilted and closed and can perform different functions. If the patio door is tilted when the shading is closed, the slats can be tilted for ventilation, or the roller shutter can be automatically moved a few centimetres apart. If the door is opened, the shading can open completely and at the same time be locked against automatic lowering to provide lock-out protection. Manual operation remains active at all times and central commands can be repeated when the door is closed.

### Scene and automatic functions

The extended scene function can not only move to positions, but also activate and release locks. For blinds, it is possible to change only the slat position. Two automatic blocks with 4 positions each can be activated via 1-bit telegram

## Extensive status information for visualisation

Information such as the current height position (1 byte), current slat position (1 byte), current/last direction (1 bit), upper and lower position (1 bit) and status „lock/alarm“ (1 bit), can be displayed.

## Long Frame Support

The MDT shutter actuator supports “long frames” (longer telegrams). These contain more user data per telegram, which significantly reduces the programming time.