

## Weather Sensors

### Weather Station Home [SCN-WS3HW.01]

The MDT Weather Station Home provides all important environmental parameters for the KNX bus. These include the brightness values for the cardinal directions east, south and west, the outdoor temperature and the wind speed.

#### Brightness sensor

Each of the 3 cardinal directions, east, south and west, has its own brightness sensor with two separately adjustable threshold values and its own facade control. The brightness as a 2-byte object, 2 threshold values as a 1-bit object, as well as absolute height and slat positions as a 1-byte object or scenes can be further processed on a shutter actuator. Both threshold values and the facade control can be locked by an object.



SCN-WS3HW.01

#### Twilight sensor

The twilight sensor provides the "day/night object" for the KNX bus via adjustable lux values. This enables MDT Glass Push Buttons II Smart, for example, to automatically switch to night mode. The additional 1-bit up/down object can be used to raise and lower the blinds or shutters in the morning and evening.

#### Wind sensor

Two adjustable threshold values allow awnings and blinds/shutters to move into their protective positions if the wind is too strong. The minimum duration for exceeding and falling below the set wind speed can be adjusted. The wind speed [m/s] is provided as a 2-byte object and can be displayed, for example, in a visualisation or on a push-button with display.

#### Temperature sensor

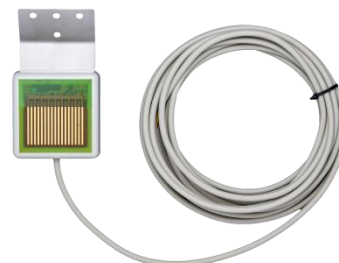
The measured outdoor temperature can be used as a 2-byte value or via one of the two adjustable threshold values, for example, to lock or release the shading of the MDT Shutter Actuators. The temperature can be displayed in a visualisation or e.g. on the Glass Push Button II Smart.

#### Teach-In and test mode

If the facade control is activated, the shading positions can be changed easily and conveniently at any time via the teach-in object. The integrated test mode facilitates commissioning with the ETS.

## Rain Sensor [SCN-RS1R.01]

The MDT Rain Sensor reports rain immediately or after a set delay time to the KNX bus, for example to move blinds, shutters or the awning into protective position or to close the skylight. The sensitivity of the sensor can be adjusted in three levels. The integrated heating automatically dries the sensor when it rains or when the temperature falls below 3 °C. The heating is monitored via a separate status object.



SCN-RS1R.01