



## Better living with the living area control LUXOR



With the high-quality extension of the private villa in Bauhaus style in Metzingen near to Stuttgart, the customer had fulfilled a long-cherished desire. Naturally, for this dream house not only the highest demands are made with regard to architecture and interior design, but also on the technical side. The result can proverbially be seen: in the magazine „Schöner Wohnen“, the house was awarded the 3rd place in the competition „Home of the Year 2012“.

### Function

- Automatic and semi-automatic control of light and sun protection
- Time and weather-controlled programming
- Efficient use of the daylight
- Infinite lighting control
- Energy saving
- Burglar protection
- Easy operation without programming knowledge

### Solution

- LUXOR 426 multifunction display for control and display
- LUXOR 411 sensor module for controlling awnings, roller blinds and blinds in combination with LUXOR 412 weather station
- LUXOR 400 module for switching of electronic consumers, time function, panic function and presence simulation
- LUXOR 408 S roller blind module for controlling awnings, roller blinds and blinds, extension with LUXOR 409 S
- LUXOR 404 for lighting (switch light)
- LUXOR 405 for lighting (dimming)



Sun protection at window facades and skylight domes is controlled via versatile time programs of the LUXOR system, exact to the second and for different days of the week.

### Central control via LUXOR

The house is fitted with large window surfaces and a domed skylight that have been equipped with roller blinds or blinds as sun protection. In the planning phase, the customer, as well as the architect did not see the necessity for a bus system and had initially designed the technical equipment of the building conventionally. However, when it came to controlling the sun protection, and in particular the grouping of vertical roller blinds in the dining and living area, the planning was revised on recommendation of the installation engineer. The Theben LUXOR living area control then took the stage.

### Time controlled sun protection and lighting

LUXOR is a control system that can be used flexibly for private residential construction, offices, doctors practices or smaller shops. In the Bauhaus villa, LUXOR ensured for the efficient, reliable and automated control of the vertical roller blinds as well as for the shading of the domed skylight. Using versatile time programs, the processes such as the roller blinds or light control can be controlled for different weekdays down to the second. As an alternative, the astro function provides the option to control the roller blinds, blinds or even awnings after sunrise or sunset. This allows the day

and sunlight to be used in an optimum manner – even for heat gain. This allows the LUXOR to also act as an efficient energy saving solution. However, LUXOR can also be fun: the screen for the home cinema is controlled using the LUXOR roller blind control and nothing will get in the way of your cinema evening. LUXOR controls the lighting in the entire house. The lighting can be adapted infinitely using the dimming module. This allows different lighting moods to be programmed and, when desired, be selected.

### Safety benefit from integrated weather station

The weather station ensures for more comfort and safety. If individually adjustable thresholds are exceeded or not met. For example when a storm arises or the sun rays are too strong, the weather station reports this to the switching module and ensures that the roller blinds and blinds are opened or closed requirement-orientated.

### Effective burglary protection due to presence simulation

Another benefit of the LUXOR system that the customer likes to use is the presence simulation. This allows the switching processes of the past 14 days to be repeated automatically. If the residents are away, the house still looks like someone is living

there – an indispensable protection against burglary. The panic function also contributes to this: when clicking on the panic button, pre-defined lights are switched on in the house and curtains are opened or closed. Such as by suspicious noises. Moreover, when leaving the house pre-defined consumers can be switched on or off in an absolutely safe manner using the ON/OFF function.

### Easy operation and harmonic design

LUXOR is the perfect living area control for private buildings. Without programming knowledge, the house owners can make changes to the switching and dimming module in the switch cabinet using a screwdriver. The cost-intensive authorisation of an installation engineer is therefore omitted. Naturally the individual functions can also be called up via the LUXOR multi-function display. Its text navigated user interface makes its operation to child's play.

LUXOR can be used with any switch range. This allows design-focused customers to have all switches integrated into the door frames by a carpenter. The satisfactory result: a harmonic wall design without switches.



Managing director Josef Schäfer of Elektro Schäfer, award winner of the „ELMAR 2012“, explains how house owners can make changes to the switching and dimming modules by using a screwdriver.

<b>Customer</b>	Private house   Metzingen   Germany
<b>Project</b>	Light and sun protection control in detached homes
<b>Architect</b>	Thomas Steimle architects   Stuttgart   Germany   <a href="http://www.steimle-architekten.de">www.steimle-architekten.de</a>
<b>Planning &amp; Integration</b>	Elektro Schäfer   Rottenburg-Wendelsheim   Germany   <a href="http://www.elektroschaefer.de">www.elektroschaefer.de</a>

Image source: Josef Schäfer

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