

myTEM SmartHome

Tender specifications

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Smart Server

The Smart Server is an intelligent smart home server and ideal for panel installation.

It has a LAN port, a CAN port, analog and digital inputs and outputs, programming software including LiveView function and simulation mode as well as an app for iOS and Android.

Operating voltage 24 VDC \pm 10% with support terminals for further wiring
CAN bus

8 digital inputs 24 VDC (DI1 - DI8) for e.g. external switches

24 VDC supply, 100 mA, for the digital inputs DI1 - DI8 (VDDIout)

4 analog inputs 0-10 VDC (AI1 - AI4). On AI1 and AI2 it is possible to use NTC, PTC or PT1000 sensors. All analog inputs can also be used as digital inputs 24 VDC.

4 analog outputs 0-10 VDC, 20 mA (AO1 - AO4)

8 digital outputs with potential free relay 8 A, 250 VAC or 30 VDC (DO1 - DO8)

Manual setting of the outputs via DIP switch for easy commissioning

Dimensions (W \times H \times D) 161 \times 102 \times 63 mm (height with connectors 107 mm)

Brand:	myTEM
Type:	Smart Server / MTSER-100
Article number:	805613

Radio Server

The Radio Server of myTEM is a shapely smart home radio server and the center of your intelligent smart home.

It has a LAN connection, a CAN connection, programming software including LiveView function and simulation mode as well as an app for iOS and Android.

Operating voltage USB power supply: 110 - 230 V AC \pm 10%, 50 - 60Hz

Operating voltage device: 5 V DC \pm 5%, USB type C

Interfaces: LAN, CAN, Z-Wave wireless standard, USB-A

Data storage: Micro SD card (included)

Power consumption: 0.3 W (standby), 0.8 W maximum

Operating temperature range: 0° C to +50° C, non-condensing

Dimensions (W×H×D): 88 × 88 × 45 mm

Brand:	myTEM
Type:	Radio Server / MTSER-100-WL
Article number:	805614

IO Modul

The smart home IO Modul MTIOM-100 is a universal module from myTEM to expand your smart home system with additional analog and digital inputs and outputs.

Operating voltage: 24 V DC \pm 10%, with support terminals for further wiring

Interfaces: CAN bus

Inputs digital: 12x Digital In 24 V DC (DI1 - DI12)

Inputs universal: 4x Analog In 0-10 V DC (AI1 - AI4), AI1 & AI2 also for NTC, PTC or PT1000 or 4x Digital In 24 V DC

Outputs analog: 4x Analog Out 0-10 V DC, 20 mA (AO1 - AO4)

Outputs digital: 8x Digital Out, potential free relay 8 A, 250 V AC or 30 V DC (DO1 - DO8)

Manual control of outputs by DIP switches for easy commissioning

Operating temperature range: 0° C to +50° C, non-condensing

Dimensions (W×H×D): 161 × 102 × 63 mm (height with connectors 107 mm)

Brand:	myTEM
Type:	IO Modul / MTIOM-100
Article number:	805625

IO Modul Small

The small smart home IO Modul MTIOS-100 is a universal module from myTEM for expanding your smart home with additional analog and digital inputs and outputs.

Operating voltage: 24 V DC \pm 10%, with support terminals for further wiring

Interfaces: CAN bus

Inputs digital: 6x Digital In 24 V DC (DI1 - DI6)

Inputs universal: 2x Analog In 0-10 V DC (AI1 - AI2), AI1 & AI2 also for NTC, PTC or PT1000 or 2x Digital In 24 V DC

Outputs analog: 2x Analog Out 0-10 V DC, 20 mA (AO1 - AO2)

Outputs digital: 4x Digital Out, potential free relay 8 A, 250 V AC or 30 V DC (DO1 - DO4)

Manual control of outputs by DIP switches for easy commissioning

Operating temperature range: 0° C to +50° C, non-condensing

Dimensions (W×H×D): 107 × 102 × 63 mm (height with connectors 107 mm)

Brand:	myTEM
Type:	IO Modul Small / MTIOS-100
Article number:	805626

Relay Modul

The Relay Modul MTREL-100 is a switching module for heavy loads from myTEM to extend your smart home system with additional 16 A outputs.

Operating voltage: 24 V DC \pm 10%, with support terminals for further wiring

Interfaces: CAN bus

Digital outputs: 12x Digital Out, potential-free relays, 250 V AC, $\cos(\phi) = 1$, 16 A or 30 V DC (DO1 - DO12)

Maximum current, sum over all relays: 48 A

Manual control of outputs by DIP switches for easy commissioning

Operating temperature range: 0° C to +50° C, non-condensing

Dimensions (W×H×D): 161 × 102 × 63 mm (height with connectors 107 mm)

Brand:	myTEM
Type:	Relay Modul / MTREL-100
Article number:	805628

Dimmer Modul

The Dimmer Modul MTDIM-100 from myTEM extends your smart home with switching and dimming functions for light bulbs, halogen and LED lamps.

Operating voltage: 24 V DC \pm 10%, with support terminals for further wiring

Interfaces: CAN bus

Inputs digital: 8x Digital In 24 V DC (DI1 - DI8)

Outputs analog: 4x Analog Out 230 V AC, 250 W/output, phase on or phase off, max. cable length = 20 m

Manual control of outputs by DIP switches for easy commissioning

Operating temperature range: 0° C to +50° C, non-condensing

Dimensions (W×H×D): 161 × 102 × 63 mm (height with connectors 107 mm)

Brand:	myTEM
Type:	Dimmer Modul / MTDIM-100
Article number:	805627

DALI Modul

The MTDAL-100 is an intelligent DALI lighting control from myTEM. You can expand your smart home system with a control for intelligent DALI lights.

Operating voltage: 24 V DC \pm 10%, with support terminals for further wiring

Interfaces: CAN bus, DALI bus

DALI standard: EN 62386-101:2014 EN 62386-103:2014

Operating temperature range: 0° C to +50° C, non-condensing

Dimensions (W×H×D): 38 × 102 × 63 mm (height with connectors 107 mm)

NOTE! The DALI bus requires an external DALI switching power supply for correct function.
(MTPOD-100 art. no. 805687)

Brand:	myTEM
Type:	DALI Modul / MTDAL-100
Article number:	805629

Radio Switch Dual

The Radio Switch Dual is a universal, Z-Wave compatible, intelligent radio wall switch (on/off) and is used to control two electrical devices (e.g. lamps, fans, blinds etc.).

Operating voltage: 110 - 230 V AC \pm 10%, 50 - 60Hz or 24 V DC

Inputs digital: 2x Digital In 230 VAC or 24 VDC (same potential as operating voltage for e.g. external switches)

Outputs: 2x Digital Out (relay) 250 V AC 6 A $\cos(\phi) = 1$, 30 V DC 6 A

Interfaces: Z-Wave radio standard

Mounting: in flush-mounted or cavity wall box (wall, ceiling) $\geq \varnothing$ 60 mm, depth \geq 60 mm

Operating temperature range: 0° C to +40° C, non-condensing

Dimensions (W×H×D): 44 × 41 × 19 mm

Brand:	myTEM
Type:	Radio Switch Dual / MTSWI-100-WL
Article number:	805618

Radio Switch Dual Plus

The Radio Switch Dual Plus is an intelligent radio wall switch with optional touch operation. The universal, Z-Wave compatible (on/off) switch is used to control two electrical devices (e.g. lamps, fans, blinds etc.).

Operating voltage: 110 - 230 V AC \pm 10%, 50 - 60Hz or 24 V DC

Inputs digital: 2x Digital In 230 V AC or 24 VDC (same potential as operating voltage for e.g. external switches)

Outputs: 2x Digital Out (relay) 250 V AC 6 A $\cos(\phi) = 1$, 30 V DC 6 A

Interfaces: Z-Wave radio standard

Connection socket for: myTEM Touch Add-On Glossy MTTOU-500 operating unit with 5 buttons, temperature and humidity sensor

Mounting: in flush-mounted or cavity wall box (wall, ceiling) $\geq \varnothing$ 60 mm, depth \geq 60 mm

Operating temperature range: 0° C to +40° C, non-condensing

Dimensions (W×H×D): 44 × 41 × 19 mm

Brand:	myTEM
Type:	Radio Switch Dual Plus / MTSWI-101-WL
Article number:	805638

Radio Switch Dimmer

The Radio Switch Dimmer is a universal, Z-Wave compatible wall and ceiling switch and is used to control lighting. Dimmable LED, incandescent, halogen lamps, etc. can be controlled via the Radio Switch Dimmer. This device is designed for installation in a flush-mounted or cavity wall box.

Operating voltage: 230 V AC $\pm 10\%$, 50 Hz

Inputs digital: 3x Digital In, 230 V AC (I1 - I3)

Output: 0-250W, 230 VAC, $\cos(\phi) = 1$

Interfaces: Z-Wave wireless standard

Mounting: in flush-mounted or cavity wall box (wall, ceiling) $\geq \varnothing 60$ mm, depth ≥ 60 mm

Operating temperature range: 0° C to +40° C, non-condensing

Dimensions (WxHxD): 44 x 41 x 19 mm

Brand:	myTEM
Type:	Radio Switch Dimmer / MTSWD-100-WL
Article number:	805655

Radio Switch Shutter Plus

The Radio Switch Shutter Plus is used to control a blind with and without moving slats, shutters, awnings, etc. It can be controlled via the Radio Server, via the switches/buttons connected to the inputs or via the optionally connectable Touch Add-On. Thus, shutters and blinds can be controlled both via Z-Wave or as before via conventional wall switches.

Operating voltage: 110 - 230 V AC $\pm 10\%$, 50 - 60 Hz or 24 V DC

Inputs digital: 2x Digital In, (I1 - I2), 230 V AC or 24 V DC (according to operating voltage)

Outputs: 2x Digital Out (relay) 250V AC 61 6A $\cos(\phi) = 1$, 30V DC 6A

Interfaces: Z-Wave wireless standard

Mounting: in flush-mounted or cavity wall box (wall, ceiling) $\geq \varnothing 60$ mm, depth ≥ 60 mm

Switching off: end position detection of the blind by calibrating the position

Control: Z-Wave, two local buttons, 5 buttons when Touch Add-On Glossy is connected.

Operating temperature range: 0° C to +40° C, non-condensing

Dimensions (WxHxD): 44 × 41 × 19 mm

Brand: myTEM

Type: Radio Switch Shutter Plus / MTSWIS-101-WL

Article number: 805708

Radio IO Modul

The Radio IO Modul-MTIOM-100-WL from myTEM is used to expand inputs and outputs in your smart home. The device is connected to your central myTEM server via the Z-Wave radio network. The programmable behavior allows a flexible use of the devices in the house.

Operating voltage: 24 V DC \pm 10%, with support terminals for further wiring

Digital inputs: 6x Digital In 24 V DC (DI1 - DI6)

Inputs universal: 4x Analog In 0-10 V DC (AI1 - AI4), also for NTC, PTC or PT1000 or 4x Digital In 24 V DC

Outputs digital: 6x Digital Out 250 V AC (relay), 8A, $\cos(\phi) = 1$ or 30 V DC, potential free

Interfaces: Z-Wave radio standard

Manual control of outputs by DIP switches for easy commissioning

Operating temperature range: 0° C to +50° C, non-condensing

Dimensions (W×H×D): 107 × 102 × 63 mm (height with connectors 107 mm)

Brand:	myTEM
Type:	Radio IO Modul / MTIOM-100-WL
Article number:	805624

Radio IO Modul Floor

Radio IO Modul Floor-MTIOM-101-WL from myTEM is very suitable for the floor heating manifold. The device is installed in a control cabinet or heating distributor.

Operating voltage: 24 V DC \pm 10%, with support terminals for further wiring

Inputs digital: 6x Digital In 24 V DC (DI1 - DI6)

Inputs universal: 4x Analog In 0-10 V DC (AI1 - AI4), also for NTC, PTC or PT1000 or 4x Digital In 24 V DC

Outputs digital: 6x Digital Out 250 V AC (SSR), max. current = 0.05 A, $\cos(\phi) = 1$, or 30 V DC

Interfaces: Z-Wave wireless standard

Manual control of outputs by DIP switches for easy commissioning

Operating temperature range: 0° C to +50° C, non-condensing

Dimensions (W×H×D): 107 × 102 × 63 mm (height with connectors 107 mm)

Brand:	myTEM
Type:	Radio IO Modul Floor / MTIOM-101-WL
Article number:	805686

Radio RGBW Modul

The myTEM Radio RGBW Modul MTRGB-100-WL is an intelligent radio RGBW module and a Z-Wave device of the type light dimmer switch. It is used to control and dim 4-color LED strips.

Operating voltage: 24 V DC \pm 10%

Power consumption: 0.3 W

Outputs analog: 4x 24 V DC, max. 50 W per output

Interfaces: Z-Wave wireless standard

Operating temperature range: 0° C to +50° C, non-condensing

Dimensions (W×H×D): 38 × 102 × 63 mm (height with connectors 107 mm)

Brand:	myTEM
Type:	Radio RGBW Modul / MTRGB-100-WL
Article number:	805615

Radio Base Modul

The Radio Base Modul MTBAS-100-WL from myTEM is a smart home radio base module and a Z-Wave device of the type static controller (in combination with a myTEM Smart Server). It enables the control of Z-Wave components.

Operating voltage: 24 V DC \pm 10%

Power consumption: 0.8 W

Interfaces: CAN bus, Z-Wave radio standard

Operating temperature range: 0° C to +50° C, non-condensing

Dimensions (W×H×D): 38 × 102 × 63 mm (height with connectors 107 mm)

Brand:	myTEM
Type:	Radio Base Modul / MTBAS-100-WL
Article number:	805621

Touch Add-On Glossy

The myTEM Touch Add-on Glossy is a smart home touch control with five capacitive keys. It is always used together with a myTEM Switch Dual Plus, myTEM Switch Single Plus or a myTEM Switch Dimmer Plus.

Buttons: 5 fields, capacitive sensor technology

Integrated sensors: room temperature, humidity

Illumination: Integrated, color freely selectable

Operating voltage: 3.3 V DC

Operating temperature range: 0° C to +40° C, non-condensing

Mounting: wall mounting above a flush-mounted or cavity wall box Ø 60 mm

Dimensions (W×H×D): 88 × 88 × 12 mm (height surface-mounted)

Brand:	myTEM
Type:	Touch Add-On Glossy / MTTOU-500
Article number:	805619

FT Base Modul

The FT Base Modul is used to expand the Smart Home system with products from the myTEM Free Topology range. With the FT Base Module the installation effort is reduced to a minimum. The FT Base Module is connected to the CAN bus of the Smart Server or Radio Server, while the myTEM Free Topology products are connected via the CFT bus.

Operating voltage: 24 V DC \pm 10%

Power consumption: 0.28 W

Interfaces: CAN bus, 2x CFT bus

Operating temperature range: 0° C to +50° C, non-condensing

Dimensions (W×H×D): 38 × 102 × 63 mm

Up to 50 components per CFT bus

Brand:	myTEM
Type:	FT Base Modul / MTBAS-100-FT
Article number:	805688

FT DIN SIX

The myTEM FT DIN SIX is used to read in up to six buttons, switches or contacts, such as light buttons, door or window contacts. Two inputs can alternatively be used as analog inputs 0-10 V or as temperature sensors. The device is designed for installation in a flush-mounted or cavity wall box.

Operating voltage: 24 (10 - 26) V DC, with support terminals for further wiring

Power consumption: 0.14 W

Inputs digital: 4x Digital In 24 V DC (DI1 - DI4)

Inputs universal: 2x Analog In 0-10 V DC (AI1 - AI2), also for NTC, PTC or PT1000 or 2x Digital In 24 V DC

Interfaces: CFT bus, connection for myTEM Touch Add-On Glossy

Operating temperature range: 0° C to +40° C, non-condensing

Dimensions (W×H×D): 44 x 41 x 19 mm

Brand:	myTEM
Type:	FT DIN SIX / MTDIN-100-FT
Article number:	805689

FT RGBW Modul

The myTEM FT RGBW module is used to control and dim 4-color LED strips or 4-color LED lamps. The programmable behavior allows a flexible use in the house. The device with its small and compact design, is intended for installation in a flush-mounted or cavity wall box.

Operating voltage: 24 (10 - 26) V DC, with support terminals for further wiring

Power consumption: 0.1 W

Outputs: 4x 12 or 24 V DC, 2 A per output, dimmable, electronically controlled, RGBW

Interfaces: CFT bus

Operating temperature range: 0° C to +40° C, non-condensing

Dimensions (W×H×D): 44 x 41 x 19 mm

Brand:	myTEM
Type:	FT RGBW Modul / MTRGB-100-FT
Article number:	805691

FT Switch Dimmer

The myTEM FT Switch Dimmer is a universal wall or ceiling switch and is used for switching and dimming lighting. The programmable behavior allows flexible use in the house. The device with its small and compact design, is intended for installation a flush-mounted or cavity wall box.

Operating voltage: 24 (10 - 26) V DC, with support terminals for further wiring

Power consumption: 0.26 W

Outputs: 1x 230 V AC, 0 - 250 W, $\cos(\phi) = 1$, dimmable, electronically controlled MOS-FET, max. current = 1 A

Measurement value recording: power, energy

Interfaces: CFT bus

Operating temperature range: 0° C to +40° C, non-condensing

Dimensions (W×H×D): 44 x 41 x 19 mm

Brand:	myTEM
Type:	FT Switch Dimmer / MTSWD-100-FT
Article number:	805692

FT Switch Dual

The myTEM FT Switch Dual is a universal wall and ceiling switch (on/off) and is used to control two electrical devices. The device with its small and compact design, is intended for installation in a flush-mounted or cavity wall box.

Operating voltage: 24 (10 - 26) V DC, with support terminals for further wiring

Power consumption: 0.07 W

Outputs digital: 2x 250 V AC, 6 A, or 30 V DC $\cos(\phi) = 1$

Measurement value recording: power, energy

Interfaces: CFT bus

Operating temperature range: 0° C to +40° C, non-condensing

Dimensions (W×H×D): 44 x 41 x 19 mm

Brand:	myTEM
Type:	FT Switch Dual / MTSWI-100-FT
Article number:	805690

Outdoor Temperature Sensor

The Outdoor Temperature Sensor for outdoor temperature measurement.

Sensor element: NTC, 5000 Ω at 25° C

Measuring range: -40° C to +50° C

Measuring accuracy: -40° C to -15° C ± 0.7 K / -14° C to +50° C ± 0.5 K

Operating temperature: -40° C to +70° C

Mounting position: Vertical, cable entry at bottom

Color: light gray

Dimensions (W×H×D): 45 x 66 x 30 mm

Brand: myTEM

Type: Smart Home Outdoor Temperature Sensor / ZAF - 500

Article number: 804069

Room Temperature Sensor NTC10k

The NTC10k room temperature sensor from myTEM permanently measures the indoor temperature to control a comfortable room temperature. The sensor is a suitable accessory for the Smart Server MTSER-100, IO Module MTIOM-100 and IO Module Small MTIOS-100. The connection to these components is made by direct cable connection.

Sensor element: NTC, 10000 Ω at 25° C

Measuring range: -20° C to +60° C

Mounting: wall mounting with plug-in base

Housing: thermoplastic

Dimensions (W×H×D): 85 x 25 x 85 mm

Brand: myTEM

Type: Room Temperature Sensor NTC10k / MTRTS-100

Article number: 805704

Smart Home Power Supply 36W

Top-hat rail power supply unit for supplying the controller.

Operating voltage: 120 to 370 volts DC, 85 to 264 volts AC (47 to 63Hz)

Output voltage(s): 24 V DC

Output current: 1.5 A

Output power rating: 36 W

Dimensions (W × H × D) 35 x 90 x 54.5 mm

The device is installed in a control cabinet, mounted on a 35 mm DIN top-hat rail

Brand: MEAN WELL

Type: Smart Home Power Supply 36W / MTPOW-100

Article number: 805650

Smart Home Power Supply 92W

Top-hat rail power supply unit for supplying the controller.

Operating voltage: 85 - 264 V AC / 120 - 370 V DC, 47-63 Hz

Output voltage(s): 24 V DC

Output current: 3.8A

Output power rating: 92W

Dimensions (W × H × D) 70 x 90 x 54.5 mm

The device is installed in a control cabinet, mounted on a 35 mm DIN top-hat rail

Brand: MEAN WELL

Type: Smart Home Power Supply 92W / MTPOW-101

Article number: 805651

Smart Home Power Supply 240W

Top-hat rail power supply unit for supplying the controller.

Operating voltage: 127 to 370 volts DC, 90 to 264 volts AC (47 to 63Hz)

Output voltage(s): 24 V DC

Output current: 10 A

Output power rating: 240 W

Dimensions (W × H × D) 63 x 125.2 x 113.5 mm

The device is installed in a control cabinet, mounted on a 35 mm DIN top-hat rail

Brand: MEAN WELL

Type: Smart Home Power Supply 240W / MTPOW-102

Article number: 805652

DALI Power Supply

The compact DIN rail power supply MTPOD-100 provides a stable operating voltage for the DALI bus. It has integrated current limiting, protection against overvoltage and short circuit. It also has a very low power consumption in stand-by mode. The device is installed on a 35 mm DIN top-hat rail. The operation indication is done by LED.

Operating voltage: 90 - 264 VAC, 50 Hz

Output voltage: 16 (15.3 - 18.7) VDC

Output current: 240 mA

Output power: 4 W

Power consumption standby: < 0.5 W

Operating temperature range: -20° C to +60° C, non-condensing

Dimensions (WxHxD): 35 × 90 × 55 mm

Brand: MEAN WELL

Type: DALI Power Supply / MTPOD-100

Article number: 805687