WARM-ON

PRODUCT CATALOGUE

100%
QUALITY
CONTROL

30+
YEARS
of experience

+100 000
successful
INSTALLATIONS

>75 000
satisfied
CUSTOMERS

CONTENTS

ABOUT US

Since 2015, **warm-on GmbH** has been at the forefront of delivering world-class home comfort solutions across Europe. What began as a focused mission to bring safe and efficient underfloor heating into homes has grown into a trusted brand recognized for its commitment to innovation, reliability, and customer satisfaction.

With over 100,000 heating mats sold and more than 75,000 satisfied customers

warm-on has firmly established itself as a leader in the European market. Our products are widely available through major platforms such as Amazon, Leroy Merlin, Mano-Mano, BOL.be, and Direct Industry, reflecting the strong demand and confidence that both consumers and professionals place in our brand. Today, warm-on solutions can be found in over **60 countries**, integrated into homes, offices, and industrial facilities.

At the heart of our success lies our dedication to quality.

We proudly operate our own ISO 9001-certified manufacturing facility, giving us complete control over production and ensuring that every product meets the highest standards of safety, performance, and durability.

100%
QUALITY CONTROL,
is the commitment that allows us to offer one of the industry's most robust guarantees —
A 30-YEAR WARRANTY
on our underfloor heating systems.

But warm-on is more than just heating. Our portfolio now includes Stahlmann corrugated stainless steel pipes with advanced leakage protection systems, and the OneKeyElectro range of designer switches, sockets, and thermostats. Each product combines functionality, efficiency, and modern design to meet the demands of both residential and commercial spaces.

Driven by our core values — safety, comfort, energy efficiency, and sustainable innovation—we continue to develop solutions that align with German design principles and strict European standards. As we grow, our mission remains the same: to deliver high-quality, reliable products that make homes and workplaces safer, warmer, and smarter.
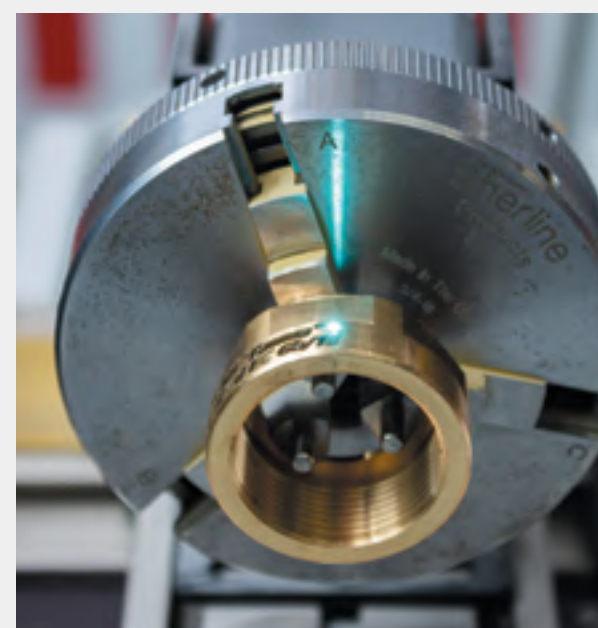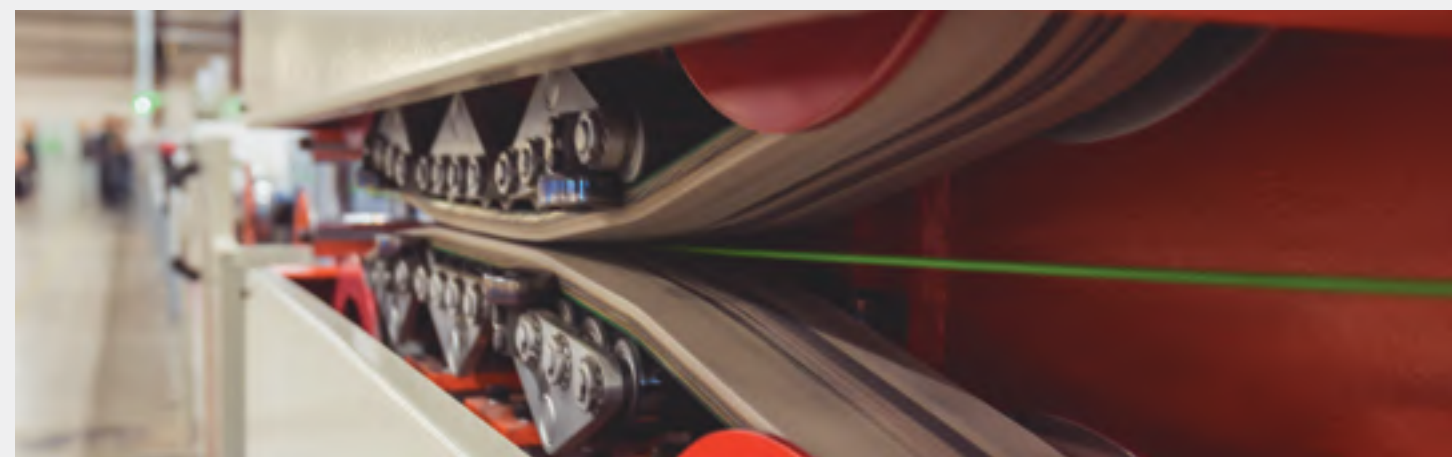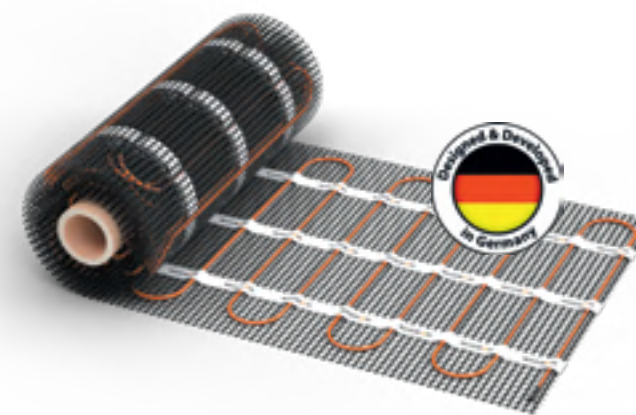
WARMON

Electric Underfloor Heating Mats

ENERGY SAVING

ZERO HARMFUL SUBSTANCE EMISSIONS

Underfloor heating is a cost-efficient and highly practical way to heat the beautiful but cold flooring of your home. It provides thermal comfort and even heat distribution throughout the room. Installation costs are low and installation is quick and simple. The underfloor heating brings warmth and comfort to your home.

Premium comfort

A perfect way to create comfortable thermal conditions in rooms is to use underfloor heating. The heat is evenly distributed from underneath, allowing you to create the optimum thermal climate in your room. The underfloor heating can be used as a central or supplementary heating system.

Aesthetic design

Compared to traditional heating systems, underfloor heating is completely invisible. It is built into the floor structure, giving you space and design freedom. Say goodbye to bulky radiators and visible heating units — enjoy the freedom to shape your space without compromise.

Environmentally friendly heating

Electric underfloor heating is an environmentally friendly way to heat your home and create a cosy and warm environment. Imagine consistently dry, comfortably warm floors without any air or dust circulation. This system helps maintain balanced humidity levels, reduces the accumulation of cold air near the floor, and minimizes the drying effect often caused by conventional heating. Underfloor heating also promotes a healthier indoor climate excellent for childrens' play, pets' wellbeing and the whole family's enjoyment.

Easy installation

Underfloor heating systems are easy to install. They are suitable for all types of rooms: bedrooms, bathrooms, children's rooms, offices, kitchens, etc. This heating system is compatible with a wide range of flooring types. Underfloor heating is best suited to 'cold' floors such as ceramic tiles, marble and granite.

FOR FLOORING TYPES:

- Ceramic tile
- Porcelain stoneware
- Laminate
- Linoleum
- Carpet
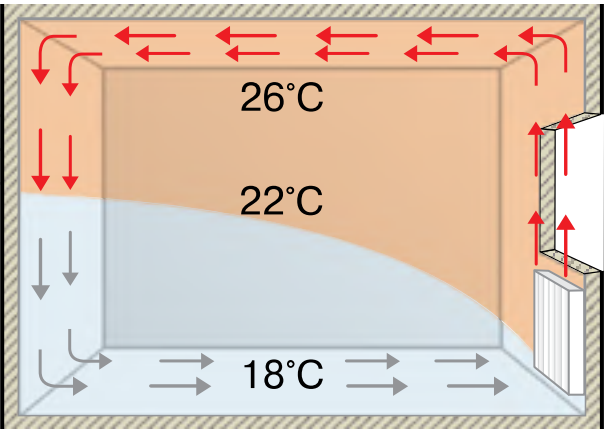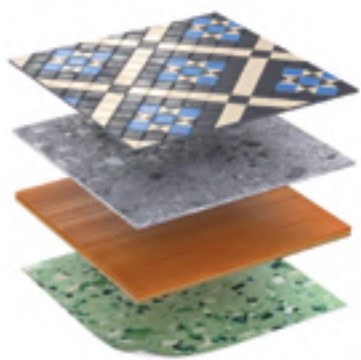
Low costs

Underfloor heating systems allow you to reduce your heating costs. Installing the heating system under the floor provides an increased surface area for heat emission. The close proximity to the floor ensures fast and optimal heating. Meanwh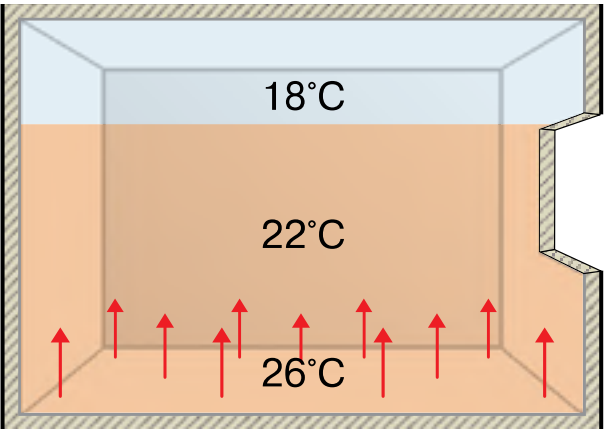ile, a smart electronic thermostat keeps the room comfortable by automatically switching the heating on and off as you wish. When you leave, the smart appliance is in low-power mode. When you return, the house is warm enough. Underfloor heating only works when you need it. This can significantly reduce your heating costs.

Long-lasting performance. Safety. Warranties.

The durability of underfloor heating systems is ensured by the highest quality components and innovative technologies. Warm floors are manufactured in full compliance with European quality standards and are completely safe. As a manufacturer we offer the highest factory guarantees for our products.

PRODUCT RANGE

| Product type	Linear power output, W/m	Power output, W/m²	Double-core cable	Protection class	Main heating	Additional heating	Maximum temperature, °C
Heating mat WARMON LIGHT (100)	9-11	100	+	IP67		+	80
Heating mat WARMON CLASSIC (150)	12	150	+	IP67	+	+	80
Heating mat WARMON ULTRA (200)	13-16	200	+	IP67	+	+	80

DESCRIPTION

Application

The WARMON heating mat is used for comfortable underfloor heating. The mat can be easily laid in a thin layer of tile adhesive (8-10 mm) under any floor covering: tiles, marble, carpet, etc. Suitable for all types of rooms, it can be easily installed both on a new surface and on an existing floor in the case of renovation work, especially when it is important to keep the thickness of the floor structure small.

Construction

The WARMON double-core heating mat consists of a shielded double-core cable mounted on a fibre mesh. The heating mat is equipped with a cold lead, a reliable coupling and an end termination. The cable is fixed to the self-adhesive mesh - there is no need to adjust the wire spacing or fix the cable to the floor surface. As there is only one connection wire, the double-core mat is easy to install, reducing installation costs.
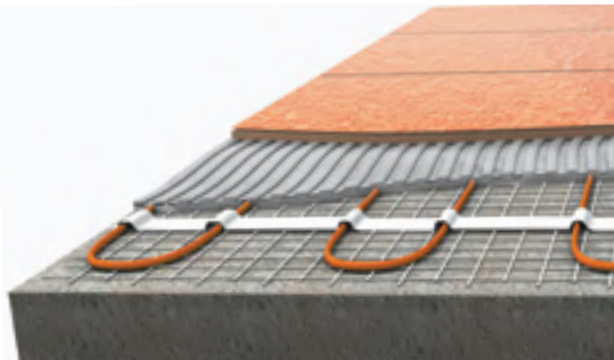
FEATURES

- The best solution for rooms with low ceilings
- Cost-effective and energy-saving system
- Wide power output range
- Proven long lasting performance
- Self-adhesive mat
- Easy installation

APPLICATION

Application		Installation	
Main heating	■	Mortar	□
Additional heating	■	Tile adhesive layer	■

CABLE DESIGN

Double-core heating cable WARMON

Outer jacket
Foiled screen
Drainage wire
Two lays of Insulation
Heating conductors
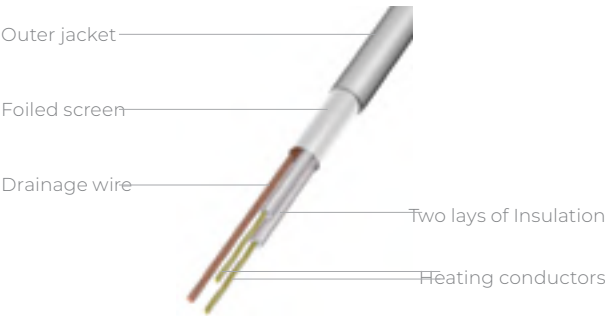
TECHNICAL DATA

Rated voltage	230 VAC
Power	100W, 150W, 200W
Maximum operation temperature	90 °C
Minimum operation temperature	–10 °C
Minimum storage temperature	–20 °C
Minimum installation temperature	–10 °C
Installation width	0.5 m
Cable diameter	approx. 3.5–5.0 mm
Cold lead length	up to 3 m² (inclusive) –3 m, over 3 m² – 4 m
Cable color	orange
Mesh color	black

INSTALLATION

A thermostat with a suitable temperature sensor is required to install the heating mat. The temperature sensor should be placed in a corrugated pipe and embedded in the floor in the middle of a cable loop. The thermostat should be mounted on the wall in the most convenient location for you. Applicable standards, regulations and data sheets, as well as instructions and manuals, must be observed! Detailed installation instructions can be found in the installation manual.

EASY INSTALLATION
EINFACHE INSTALLATION
POSE FACILE

DELIVERY KIT

Heating mat
Warm-on

1. Temperature sensor
2. Closing plug
3. Plastic corrugated pipe
4. User manual

JOINT PRODUCTS

ORDERING INFORMATION

Heating mat WARMON CLASSIC (150)-150-1.00

Product reference: type of the heating mat
Power, W
Area, m²

APPROVALS

The product meets all necessary requirements

CE   UK CA   RoHS

TECHNICAL DATA

WARMON CLASSIC LIGHT 100	|<>|, m	‹˅› m	m²	W	Ω @ +20°C	(-5%, +10%)	A	Order code
WARMON CLASSIC LIGHT (100)-100-1,00	0.5	2	1,0	100	516,04	490,23 - 567,64	0,45	4262459722940
WARMON CLASSIC LIGHT (100)-150-1,50	0.5	3	1,5	150	344,81	327,57 - 379,29	0,67	4262459722957
WARMON CLASSIC LIGHT (100)-200-2,00	0.5	4	2,0	200	256,41	243,58 - 282,05	0,90	4262459722964
WARMON CLASSIC LIGHT (100)-250-2,50	0.5	5	2,5	250	199,64	189,66 - 219,61	1,10	4262459722971
WARMON CLASSIC LIGHT (100)-300-3,00	0.5	6	3,0	300	158,92	150,98 - 174,82	1,38	4262459722988
WARMON CLASSIC LIGHT (100)-350-3,50	0.5	7	3,5	350	141,45	134,37 - 155,59	1,52	4262459722995
WARMON CLASSIC LIGHT (100)-400-4,00	0.5	8	4,0	400	122,19	116,08 - 134,41	1,76	4262459723008
WARMON CLASSIC LIGHT (100)-500-5,00	0.5	10	5,0	500	94,03	89,33 - 103,44	2,29	4262459723015
WARMON CLASSIC LIGHT (100)-600-6,00	0.5	12	6,0	600	79,82	75,83 - 87,80	2,74	4262459723022
WARMON CLASSIC LIGHT (100)-700-7,00	0.5	14	7,0	700	71,52	67,94 - 78,67	3,06	4262459723039
WARMON CLASSIC LIGHT (100)-800-8,00	0.5	16	8,0	800	65,79	62,50 - 72,37	3,33	4262459723046
WARMON CLASSIC LIGHT (100)-1000-10,00	0.5	20	10,0	1000	43,50	41,33 - 47,85	4,60	4262459723053
WARMON CLASSIC LIGHT (100)-1200-12,00	0.5	24	12,0	1200	36,39	34,57 - 40,03	5,50	4262459723060
WARMON CLASSIC LIGHT (100)-1400-14,00	0.5	28	14,0	1400	30,98	29,44 - 34,08	6,45	4262459723077

WARMON CLASSIC 150 W/m²	|<>|, m	‹˅› m	m²	W	Ω @ +20°C	(-5%, +10%)	A	Order code
WARMON CLASSIC (150)-150-1,00	0.5	2	1,0	150	369,44	350,96 - 406,38	0,62	4262449880070
WARMON CLASSIC (150)-225-1,50	0.5	3	1,5	225	226,53	215,21 - 249,19	1,02	4262449880087
WARMON CLASSIC (150)-300-2,00	0.5	4	2,0	300	167,56	159,18 - 184,31	1,31	4262449880094
WARMON CLASSIC (150)-375-2,50	0.5	5	2,5	375	130,00	123,50 - 143,00	1,68	4262449880100
WARMON CLASSIC (150)-450-3,00	0.5	6	3,0	450	113,56	107,88 - 124,91	1,89	4262449880117
WARMON CLASSIC (150)-525-3,50	0.5	7	3,5	525	92,97	88,32 - 102,27	2,31	4262449880124
WARMON CLASSIC (150)-600-4,00	0.5	8	4,0	600	83,67	79,49 - 92,04	2,57	4262449880131
WARMON CLASSIC (150)-750-5,00	0.5	10	5,0	750	64,99	61,74 - 71,49	3,37	4262449880155
WARMON CLASSIC (150)-900-6,00	0.5	12	6,0	900	53,97	51,27 - 59,37	4,06	4262449880162
WARMON CLASSIC (150)-1050-7,00	0.5	14	7,0	1050	46,18	43,87 - 50,80	4,74	4262449880179
WARMON CLASSIC (150)-1200-8,00	0.5	16	8,0	1200	36,53	34,70 - 40,18	5,48	4262449880186
WARMON CLASSIC (150)-1500-10,00	0.5	20	10,0	1500	29,82	28,33 - 32,80	6,71	4262449880193
WARMON CLASSIC (150)-1800-12,00	0.5	24	12,0	1800	26,06	24,76 - 28,67	7,67	4262449880209
WARMON CLASSIC (150)-2100-14,00	0.5	28	14,0	2100	22,49	21,36 - 24,73	8,89	4262449880216

WARMON CLASSIC 200 W/m²	|<>|, m	‹˅› m	m²	W	Ω @ +20°C	(-5%, +10%)	A	Order code
WARMON ULTRA (200)-200-1,00	0.5	2	1,0	200	264,35	251,13 - 290,79	0,87	4262449880391
WARMON ULTRA (200)-300-1,50	0.5	3	1,5	300	156,86	149,02 - 172,55	1,40	4262449880407
WARMON ULTRA (200)-400-2,00	0.5	4	2,0	400	115,55	109,77 - 127,10	1,86	4262449880414
WARMON ULTRA (200)-500-2,50	0.5	5	2,5	500	95,63	90,84 - 105,19	2,25	4262449880421
WARMON ULTRA (200)-600-3,00	0.5	6	3,0	600	80,68	76,65 - 88,75	2,66	4262449880438
WARMON ULTRA (200)-700-3,50	0.5	7	3,5	700	68,65	65,22 - 75,52	3,19	4262449880445
WARMON ULTRA (200)-800-4,00	0.5	8	4,0	800	61,57	58,49 - 67,73	3,56	4262449880452
WARMON ULTRA (200)-1000-5,00	0.5	10	5,0	1000	49,35	46,88 - 54,28	4,44	4262449880476
WARMON ULTRA (200)-1200-6,00	0.5	12	6,0	1200	41,62	39,54 - 45,78	5,26	4262449880483
WARMON ULTRA (200)-1400-7,00	0.5	14	7,0	1400	32,79	31,15 - 36,07	6,10	4262449880490
WARMON ULTRA (200)-1600-8,00	0.5	16	8,0	1600	28,49	27,07 - 31,34	7,02	4262449880506
WARMON ULTRA (200)-2000-10,00	0.5	20	10,0	2000	22,80	21,66 - 25,08	8,77	4262449880513
WARMON ULTRA (200)-2400-12,00	0.5	24	12,0	2400	19,10	18,14 - 21,01	10,47	4262449880520
WARMON ULTRA (200)-2800-14,00	0.5	28	14,0	2800	16,38	15,56 - 18,01	12,21	4262449880537

WARMON ALU
Double-core heating mat with aluminium foil

Easy installation in 10 minutes!

UNIQUE TECHNOLOGY

Warmon Alu is a thin underfloor heating system based on an ultra compact heating cable laid between aluminium foil layers. It can be used for comfortable floor heating without the need for major reconstruction works, installed directly under your floor coating and provides comfortable warmth in rooms of any type.

ADVANTAGES

- **Only 1.5 mm thick**
- Does not alter the floor level
- Quick installation without insulation and adhesive in 10 minutes
- Safe solution for children's rooms
- Superstrong aluminium-PET base
- No electric field
- Water-protected
- **30-year warranty**

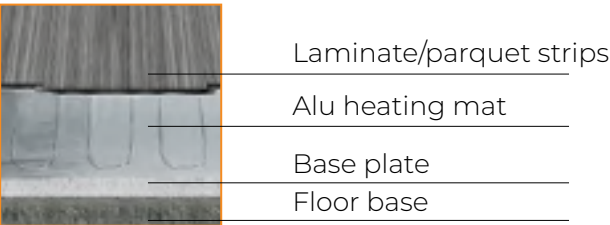### CABLE DESIGN

Double-core heating cable WARMON ALU

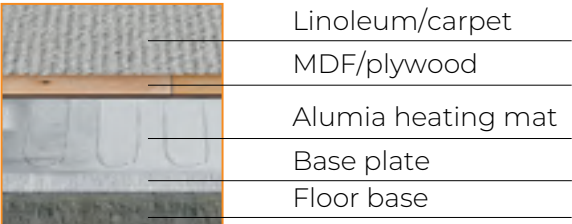1. Multiwire heating cores
2. Insulating thermoplastic elastomer

30 YEAR WARRANTY

1. Insulated heating cable between two aluminium foil layers glued together
2. Coupler with groundwire
3. Installation wire

INSTALLATION

Under laminate / parquet

Laminate/parquet strips
Alu heating mat
Base plate
Floor base

Under linoleum / carpet

Linoleum/carpet
MDF/plywood
Alumia heating mat
Base plate
Floor base

CABLE SPECIFICATIONS

Supply voltage	~220 V
Power	150 W/m²
Maximum operation temperature	+90 °C
Minimum installation temperature	–10 °C
Minimum storage temperature	–20 °C
Cable diameter	1,18–1,62 mm

PRODUCT REFERENCES

WARMON ALU 150 W/m2	|<>|, m	$\overline{\updownarrow}$, m	m²	W	Ω @ +20°C (-5%, +10%)		A	Order code
WARMON ALU (150)-150-1.00	0.5	2	1.0	150	320.78	304.74 - 352.85	0.72	4262459723091
WARMON ALU (150)-225-1.50	0.5	3	1.5	225	240.69	228.66 - 264.76	0.96	4262459723107
WARMON ALU (150)-300-2.00	0.5	4	2.0	300	171.12	162.57 - 188.24	1.28	4262459723114
WARMON ALU (150)-375-2.50	0.5	5	2.5	375	131.49	124.91 - 144.63	1.63	4262459723121
WARMON ALU (150)-450-3.00	0.5	6	3.0	450	108.91	103.46 - 119.80	1.97	4262459723138
WARMON ALU (150)-525-3.50	0.5	7	3.5	525	95.63	90.84 - 105.19	2.25	4262459723145
WARMON ALU (150)-600-4.00	0.5	8	4.0	600	84.47	80.25 - 92.92	2.54	4262459723152
WARMON ALU (150)-750-5.00	0.5	10	5.0	750	68.41	64.99 - 75.26	3.20	4262459723169
WARMON ALU (150)-900-6.00	0.5	12	6.0	900	57.77	54.88 - 63.55	3.79	4262459723176
WARMON ALU (150)-1050-7.00	0.5	14	7.0	1050	43.32	41.16 - 47.65	4.62	4262459723183
WARMON ALU (150)-1200-8.00	0.5	16	8.0	1200	38.82	36.88 - 42.70	5.15	4262459723190
WARMON ALU (150)-1500-10.00	0.5	20	10.0	1500	31.41	29.84 - 34.55	6.37	4262459723206
WARMON ALU (150)-1800-12.00	0.5	24	12.0	1800	25.95	24.65 - 28.54	7.71	4262459723213
WARMON ALU (150)-2250-15.00	0.5	30	15.0	2250	20.78	19.74 - 22.86	9.62	4262459723220

APPROVALS

The product meets all necessary requirements

CE UK CA RoHS

ORDERING INFORMATION

Heating mat WARMON ALU-(150)-225-1,50

Product reference: type of the heating mat
Power, W
Area, m²
Power per square meter, W/ m²

WARM-ON

HEATED CARPET

FEATURES

- Fast and even heating
- Easy to clean of dust and dirt
- Ideal for any location: entrance hall, lounge, living room, study, office
- Safe and durable
- Easy to use and maintain

DESCRIPTION

The Heated Carpet may be used for:

Shoe cleaning at the entrance to rooms (offices, halls, lobbies, kitchens, etc.). Heated carpets increase protection against dust and dirt.

Drying wet shoes. The result is that your shoes are always dry and well cared for.

Warm feet. Heated carpets keep your feet comfortable and warm.

The Heated Carpet is designed for use on floors only. We recommend it for use on the following types of floor: ceramic or stone tiles, laminate and linoleum.

INSTALLATION

No additional preparations necessary.

PRODUCT REFERENCES

Heated carpet

Type	Dimensions, cm	Rated power, W	Order code
Heated carpet 80 x 50	80×50	70	4262516054069

COLOR EXAMPLES

Grey

DESIGN

The power supply cable is fitted with a grounded plug

Foil-laminated wire-based heater

Waterproofing

Power cable with plug

TECHNICAL DATA

Rated voltage	230 VAC
Operation temperature	35–40 °C
Power cable	2.0 m
Protection class	I
IP rating	IP67

ORDERING INFORMATION

Heated carpet   Heated carpet 80×50

Product reference: Dimensions, cm

APPROVALS

The product meets all necessary requirements

CE

THERMOSTATS

WARM-ON

Thermostat OneKeyElectro 25
WIFI Touch

The OneKeyElectro 25 WIFI Touch is an advanced thermostat designed for precise control of underfloor heating systems, combining modern aesthetics with cutting-edge technology. This in-house developed model seamlessly integrates with the OneKeyElectro wiring accessories line, ensuring a stylish and unified look in any interior.

The OneKeyElectro 25 WIFI Touch is the perfect combination of elegant design, intelligent features, and energy-efficient heating control – ideal for modern homes and smart environments.

FEATURES

- Wi-Fi Connectivity – Remote control via the Tuya Smart Life app
- Touchscreen Display – Intuitive monochrome interface for effortless adjustments
- 24/7 Programmable – Set customized heating schedules
- One-Touch Favorite Temperature – Instant access to your preferred comfort level
- Dual Temperature Sensors – Built-in room and external floor sensors for precise heating control
- Adaptive Heating Logic – Optimizes energy consumption for efficiency and comfort

EASY INSTALLATION & SMART CONTROL

- Quick installation into standard electrical boxes
- Supports EZ Config & Access Point Wi-Fi Setup
- Remote access and scheduling via Tuya Smart Life app

ADDITIONAL FEATURES

- Compatible with Multiple Heating Systems:
  - Heating Mats
  - Film Heaters
  - Heating Cables
  - Water Underfloor Heating (via 230V thermal head control)
- Compatible with OneKeyElectro Wiring Accessories – Perfect fit with Florence and Garda frames
- White Florence Plastic Frame Included

WARRANTY & RELIABILITY

- 2 years
- 100% Quality Control & Compliance with European Standards

TECHNICAL DATA

Brand	ONEKEYELECTRO
Order code	4262459726801
Power Supply	230V AC
Maximum Load	16A (3.68 kW)
Power Consumption	Max. 5W
Temperature Range	+5°C to +40°C
Temperature Control Limits	+5°C to +45°C
Display Type	Monochrome Touchscreen
IP Protection Class	IP21 (for indoor use)
Sensor Type	NTC 6.8 kOhm, 3m lead length
Dimensions	80 × 80 × 42 mm
Weight	150g
Certification	Complies with European Directives 2014/30/EU (EMC) & 2012/19/EU

TS300 WiFi Thermostat
Touchscreen Smart white/black

The TS300 WiFi is a high-end smart thermostat for electric and hydronic underfloor heating systems. Featuring a large, full-color 3.5" touchscreen, it allows remote control via the Smart Life / Tuya app and supports advanced programming with up to 6 time periods per day.

FEATURES

- Remote control via Smart Life / Tuya app (iOS/Android)
- Weekly programmable schedule (5+2, 6+1, 7-day)
- Built-in + external floor sensors included
- Child lock, holiday mode, and open window detection
- ±0.5°C accuracy | 5–35°C control range
- Stylish flush-mount glass panel (86x86mm)
- Power supply: 230V | Max load: 16A

WARRANTY

- 2 years
- Compliant with

CE **RoHS**

TECHNICAL DATA

Color	White/Black
Order code	White 4262516054014 / Black 4262516054021
Power Supply	90-240VAC 50/60Hz
Maximum Load	16A
Temperature Range	1°C – 70°C
Default Temperature Range	5°C – 35°C
Accuracy	±0.5°C
Sensor Type	NTC(10kΩ)±1%
Insulating Condition	Suitable for normal environment
Programming Cycle	7-day weekly programming
Contact Capacity:	3A (WW); 16A (WE)
Display Type	Touchscreen
Output	Relay switch
Installation	Flush mount (in-wall)
Dimensions	86×86×27 mm glass panel
Certifications	Complies with European Directives (EMC & Safety Standards)

TS300 Thermostat
Touchscreen Digital white/black

Designed for users who prefer offline control, the TS300 offers elegant touchscreen operation and full 7-day programming for both electric and water-based underfloor heating systems.

FEATURES

- 3.5" full touch display with intuitive UI
- 6 programmable periods per day (weekly schedule)
- Supports electric and hydronic systems
- Built-in and external sensors included
- Holiday mode, child lock, open window detection
- Flush wall mount | 86x86 mm glass panel
- Power supply: 230V | Max load: 16A

WARRANTY

- 2 years
- Compliant with

  CE **RoHS**

TECHNICAL DATA

Color	White/Black
Order code	White 4262516053987 / Black 4262516053994
Power Supply	90-240VAC 50/60Hz
Maximum Load	16A
Temperature Range	1°C – 70°C
Default Temperature Range	5°C – 35°C
Accuracy	±0.5°C
Sensor Type	NTC(10kΩ)±1%
Display Type	Touchscreen
Insulating Condition	Suitable for normal environment
Programming Cycle	7-day weekly programming
Contact Capacity:	3A (WW); 16A (WE)
Output	Relay switch
Installation	Flush mount (in-wall)
Dimensions	86×86×27 mm glass panel
Certifications	Complies with European Directives (EMC & Safety Standards)

TS100 Touch Thermostat
WIFI Touch white/black

The warm-on TS100 Touch Thermostat is designed for precise and efficient temperature control, ensuring optimal comfort for underfloor heating systems. With a sleek touchscreen interface, advanced dual-sensor technology, and frame compatibility with top brands, this thermostat is the perfect choice for modern homes.

The warm-on TS100 Touch Thermostat delivers style, intelligence, and energy-efficient heating control – ideal for modern smart homes.

FEATURES

- Touchscreen Control – Intuitive operation with a sleek display

- Dual Sensor Technology – Built-in air and external floor sensors for accurate temperature management

- Temperature Precision – Maintains set temperature with ±0.5°C accuracy

- Flexible Programming – Supports 5+2, 6+1, and 7-day scheduling options

- Child Lock Function – Prevents accidental setting changes

- Memory Function – Retains settings during power outages

- Holiday Mode – Allows pre-programming of temperatures for up to 30 days

- Frame Compatibility – Designed to fit frames from Schneider, Legrand, ABB, Danfoss, Berker, ELKO wiring accessories

ADDITIONAL FEATURES

- Wi-Fi Connectivity – Control your thermostat remotely via the Smart Life app

- Voice Assistant Integration – Works with Amazon Alexa & Google Assistant for hands-free control.

SMART CONTROL & EASY INSTALLATION

- TS100 WiFi model allows remote access and voice commands for a fully connected home

- Quick and hassle-free installation, compatible with standard electrical boxes

WARRANTY & RELIABILITY

- 2 years

- Built with high-quality materials for long-term durability

TECHNICAL DATA

Color	White/Black
Order code	White 4262459728294 / Black 4262459728300
Power Supply	90-240V AC, 50/60Hz
Maximum Load	16A
Temperature Range	1°C – 70°C
Default Temperature Range	5°C – 35°C
Accuracy	±0.5°C
Sensor Type	NTC (10kΩ)
Display Type	Touchscreen
Dimensions	55x55mm (without frame), 82x82mm (with frame)
Certifications	Complies with European Directives (EMC & Safety Standards)

Thermostat MCS 450
WIFI Touch white/black

The MCS 450 programmable smart home thermostat is an intelligent and innovative touch thermostat for controlling electric underfloor heating systems. The MCS 450 offers a wide range of settings and is very easy to use.

The MCS 450 allows you to control your underfloor heating from anywhere, at any time. You have several options. You can go the classic way and make your settings directly on the thermostat, or you can use the Tuya Smart or Smart Life app. The MCS 450 also offers voice control via Amazon Alexa and Google Assistant.

Within the Tuya Smart or Smart Life app you can manage and control other smart devices. For example, you can add thermostats from other rooms or connect your smart thermostat to a window sensor (available from us) to make your underfloor heating more energy efficient. You can also add other users in your home in the app.

FEATURES

- Remote control via smartphone (Tuya Smart & Smart Life)
- Voice control via Amazon Alexa and Google Assistant
- On-the-go control
- User-friendly touch display
- Customised heating
- Floor and room temperature sensors (included)
- ErP compliant according to Ecodesign Directive

WARRANTY

- 2 years
- Compliant with

 CE **RoHS**

TEMPERATURE CONTROL MODES:

- Manual mode
- ECO mode
- Program mode
- Energy-saving mode at a comfortable temperature of 20°C.

For temperature control, the device has a floor sensor (included) and a room sensor (built into the device). The thermostat can be used for floor or room temperature control. Simultaneous activation of the floor and room sensors is also possible..

To install the MCS 450, you need to use the flush-mounted box supplied.

TECHNICAL DATA

Color	White/Black
Order code	White 4262361870685 / Black 4262361876731
Delivery time	2-3 Days
Connection	1 Connection
Power consumption	1.5 W
Maximum load current	16A
Tension	230V~ , 60Hz
Dimensions	86x86x14mm
IP Protection	IP 20
Temperature range	+5 to +35 °C
Ambient temperature	+0 to +45 °C
Sensor Type	NTC (10kΩ)
Manufacturer's Warranty	2 years
Protection class	II
Maximum humidity	90%

Thermostat MCS 450
Touch white/black

The MCS 450 thermostat is used to control electric underfloor heating systems (heating mats, heating foils or heating cables). The thermostat maintains the desired temperature set for the floor or room and contributes to the energy-saving operation of your underfloor heating system. The MCS 450 offers a wide range of settings and is very easy to use.

FEATURES

- Easy to use touch screen
- Stylish design
- Built-in air sensor and floor temperature sensor
- Activation of sensors 1, 2, 1+2
- ErP compliant according to Ecodesign Directive

WARRANTY

- 2 years
- Compliant with

CE RoHS

TEMPERATURE CONTROL MODES:

- Manual mode
- ECO mode
- Programme mode: weekdays individually adjustable 5 days x 6 periods and identical 6 periods for Saturday+Sunday

The thermostat works with the temperatures and times you set.

For temperature control, the unit has a floor sensor (included) and a room sensor (built into the unit). The thermostat can be used for floor or room temperature control. Simultaneous activation of the floor and room sensor is also possible..

To install the MCS 450, you need to use the flush-mounted box supplied.

TECHNICAL DATA

Color	White/Black
Order code	White 4262361876724 / Black 4262361870692
Delivery time	2-3 Days
Connection	1 Connection
Power consumption	1,5 W
Maximum load current	16A
Tension	230V~ , 60Hz
Dimensions	86x86x14mm
IP Protection	IP 20
Temperature range	+5 to +35 °C
Ambient temperature	+0 to +45 °C
Sensor Type	NTC (10kΩ)
Manufacturer's Warranty	2 years
Protection class	II
Maximum humidity	95%

TS50 Thermostat
Weekly Programmable Non-WiFi white

The TS50 is a budget-friendly digital thermostat with 4 adjustable time periods per day. It includes floor and room sensors and is suitable for electric or hydronic heating systems.

FEATURES

- LCD screen with button control
- 4 periods per day | 7-day schedule
- Floor + air sensors included
- Anti-freeze mode and open window detection
- Power: 230V | Max load: 16A | IP20

WARRANTY

- 2 years
- Compliant with

$\mathsf{C}\mathsf{E}$ **RoHS**

TECHNICAL DATA

Color	White
Order code	4262516054038
Power Supply	230VAC, 50/60Hz
Current	Max 16A
Power Consumption	< 1W
Sensor Type	NTC (10kΩ)
Switching Differential	1°C
Temperature Setting Range	5°C–45°C (adjustable up to 95°C)
External Limit Range	5°C–60°C (with external sensor)
Accuracy	±1°C
Ambient Operating Conditions	-5°C to 50°C
Protection Class	IP20
Display Type	Touchscreen
Dimensions	86x86 mm glass panel
Certifications	Complies with European Directives (EMC & Safety Standards)

TS25 Thermostat
Analog white

The TS25 is a simple and highly reliable analog thermostat, perfect for cost-effective electric heating control in residential and rental properties.

FEATURES

- Manual temperature dial (5–40°C)
- LED heating indicator
- 3m external floor sensor included
- Easy-to-install wall-mounted design
- Flame-retardant PC housing
- Power supply: 230V | Max load: 16A

WARRANTY

- **5 years**
- Service life: 13 years
- Compliant with

$C \epsilon$ **RoHS**

TECHNICAL DATA

Color	White
Order code	4262516053093
Power Supply	AC230V(AC110V / AC24V available)
Current	16 A
Power Consumption	5 W
Temperature Setting Range	5 °C ~ 40 °C
Switching Differential	±0.5K
Ambient Temperature	- 5 °C ~ 50 °C
Sensor Type	NTC (10kΩ)
Protection Class:	IP20
Housing Material	Flame-retardant PC
Floor Sensor	Thermoplastic rubber NTC sensor, 3 m cable

ANTI-FREEZE PROTECTION SOLUTIONS

PipeMate & RoofMate
Heating Cables

At **warm-on GmbH,** we extend our expertise in electric heating to critical frost protection applications with our **PipeMate** and **RoofMate** solutions. Designed to safeguard infrastructure during harsh winters, these systems prevent freezing in pipes, roofs, and gutters—ensuring complete safety and reducing costly damage risks.

PipeMate –
Reliable Pipe Freeze Protection

Protect your water supply and drainage systems with PipeMate self-regulating heating cables. Suitable for both metal and plastic pipes, PipeMate ensures uninterrupted flow in cold conditions, preventing pipe bursts and freezing.

PERFECT FOR:

- Residential & commercial plumbing
- Outdoor water systems
- Drainage & overflow protection

- **Self-Regulating Technology:**
  Adjusts heat output automatically based on ambient temperature.

- **Versatile Application:**
  Ideal for freshwater pipes, drainage, spillways, and tanks.

- **Durability Guaranteed:**
  Operates in temperatures down to -30°C, with a max operating temp of 85°C.

- **Easy Installation:**
  Pre-assembled lengths from 2m to 30m with plug & play connection.

- **Energy Efficient:**
  Optimized performance when combined with thermal insulation.

- **Certified Safety:**
  Compliant with IEC 60800:2021, RoHS, and WEEE directives.

- **5-Year Warranty:**
  Backed by warm-on's commitment to reliability.

ORDER CODE

PipeMate 10W/m - 2 m	4262459727624
PipeMate 10W/m - 4 m	4262459727631
PipeMate 10W/m - 6 m	4262459727648
PipeMate 10W/m - 8 m	4262459727655
PipeMate 10W/m - 10 m	4262459727662
PipeMate 10W/m - 15 m	4262459727679
PipeMate 10W/m - 20 m	4262459727686
PipeMate 10W/m - 25 m	4262459727693
PipeMate 10W/m - 30 m	4262459727709

RoofMate –
Roof & Gutter De-Icing Solution

Combat dangerous ice dams and icicles with RoofMate heating cables, designed to maintain free-flowing gutters and protect roofs from winter damage.

PERFECT FOR:

- Residential rooftops
- Commercial buildings
- Gutter & drainage systems in cold climates

- **High-Performance De-Icing:**
  Prevents ice build-up on eaves, valleys, gutters, and downspouts.

- **Self-Regulating Heating:**
  Delivers 20 W/m at 10°C, adjusting output as needed.

- **Robust Construction:**
  UV-resistant, weatherproof design with tinned copper braid.

- **Flexible Lengths:**
  Available from 2m to 50m for tailored installations.

- **Safe & Efficient:**
  Simple plug-in system, no need for complex wiring.

- **Year-Round Protection:**
  Designed for use on non-combustible roofs and metal structures.

- **5-Year Warranty** for peace of mind.

ORDER CODE

RoofMate 20W/m - 2 m	4262459727518
RoofMate 20W/m - 4 m	4262459727525
RoofMate 20W/m - 6 m	4262459727532
RoofMate 20W/m - 10 m	4262459727549
RoofMate 20W/m - 15 m	4262459727556
RoofMate 20W/m - 20 m	4262459727563
RoofMate 20W/m - 25 m	4262459727570
RoofMate 20W/m - 40 m	4262459727587
RoofMate 20W/m - 50 m	4262459727594
RoofMate 20W/m - 75 m	4262459727600

WHY CHOOSE WARM-ON ANTI-FREEZE SOLUTIONS?

30 YEARS OF EXPERTISE
IN ELECTRIC HEATING TECHNOLOGIES.

CERTIFIED QUALITY:
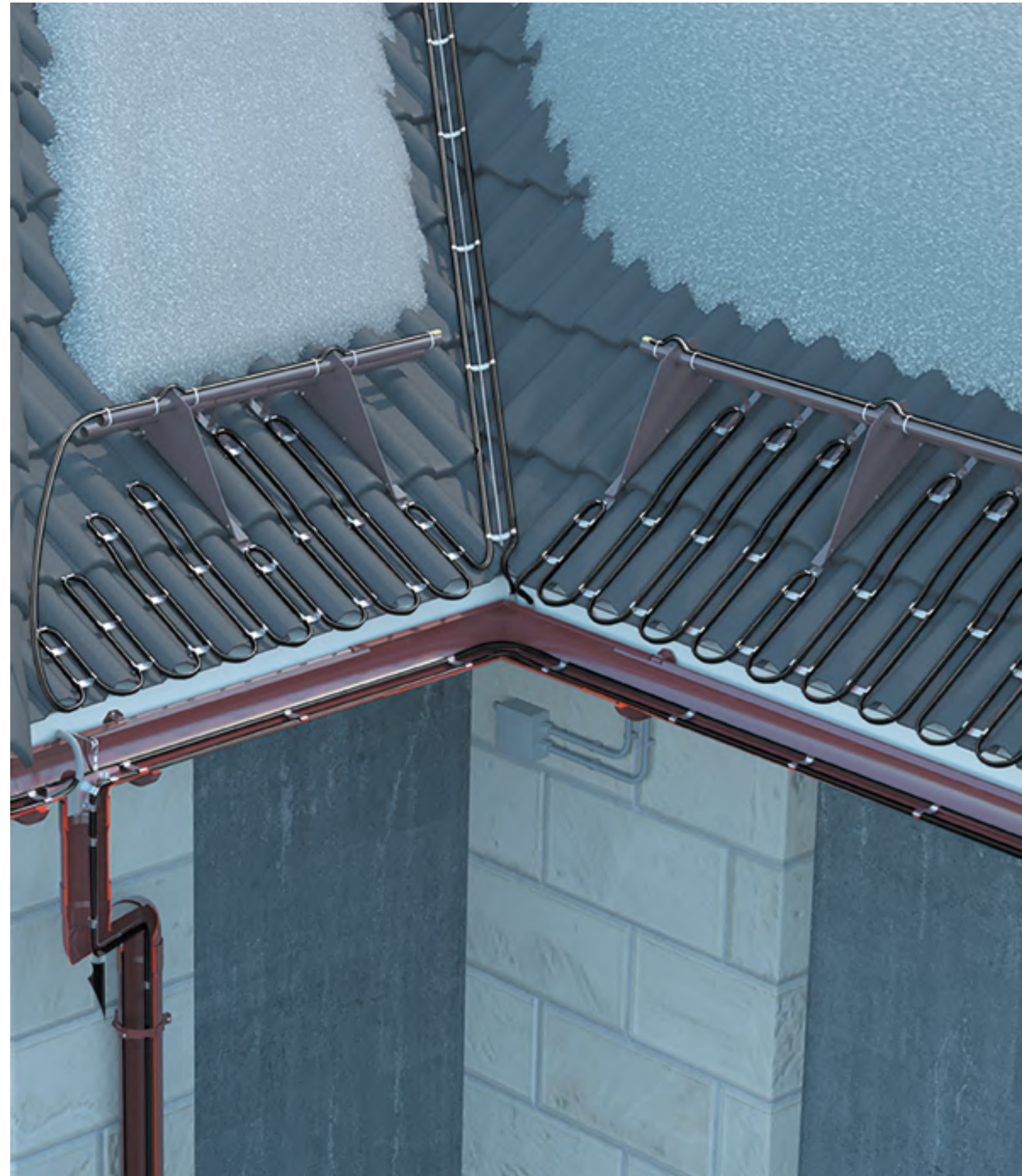FULL COMPLIANCE WITH EU SAFETY
AND ENVIRONMENTAL STANDARDS.

SELF-REGULATING EFFICIENCY:
SMART HEATING THAT SAVES ENERGY.

EASY, SAFE INSTALLATION:
NO SPECIAL TOOLS REQUIRED.

COMPREHENSIVE PROTECTION:
FROM PIPES TO ROOFTOPS, WE'VE
GOT WINTER HAZARDS COVERED.

WATER LEAK DETECTION & PROTECTION SYSTEMS

Stahlmann AquaPro
Smart Protection. Seamless Integration

Stahlmann AquaPro is an advanced water leak detection and prevention system that combines real-time sensing, automated shut-off, and remote management through the Tuya Smart ecosystem. Whether protecting a private home or a large industrial facility, AquaPro delivers precision, scalability, and intelligent automation to prevent costly water damage.

SYSTEM HIGHLIGHTS

- Instant leak alerts via mobile app and sound
- Automatic water shut-off options
- Scalable design — up to 400m sensor coverage per zone
- Full compatibility with Tuya Smart / Smart Life platforms
- IP66/IP67 protection for challenging environments
- Ultra-fast detection — reacts in under 3 seconds
- Suitable for both new construction and retrofit projects

Stahlmann AquaPro WiFi Sensor

Standalone Smart Leak Detector

Compact and efficient, the AquaPro WiFi Sensor ensures immediate detection of leaks in critical household areas — without requiring a central hub.

IDEAL FOR:

- Kitchens & bathrooms
- Laundry areas
- Basements
- Around boilers & water heaters

FEATURES

- Wi-Fi 2.4GHz connectivity — manage via Tuya Smart / Smart Life app
- Leak detection in less than 3 seconds
- 80 dB adjustable alarm (High / Medium / Low / Mute)
- Battery powered (2× AAA) with low battery alerts
- Smart automation capabilities (scene linkage with other devices)
- Compact: 6.7 × 6.7 × 2.5 cm | Weight: 54g
- Operating Temp: -10°C to +55°C | Humidity: 10%–90% RH

WARRANTY

- **2 years**
- Compatible with: **RED, WEEE**

CE RoHS

TECHNICAL DATA

Voltage	DC3V (2x1.5V AAA batteries, standard one is not include battery)
Order code	4262516054052
Static current	15uA
Alarm current	200MA
Low voltage reminder	≤ 2.4V
WIFI frequency	2.4GHz
Working temperature	-10 °C ~ 55 °C
Working humidity	0% to 99% RH
Sound level	80db(within 1m)

Stahlmann Smart Wi-Fi Ball Valve

Coming Soon

Take your water leak protection to the next level with the upcoming **Stahlmann Wi-Fi Ball Valve** — enabling automatic and remote-controlled water shut-off.

KEY FEATURES

- Wi-Fi connectivity — full control via Tuya Smart app
- Automatic shut-off triggered by leak detection
- Automatic monthly cranking to prevent valve seizing (anti-souring feature)
- Manual override for emergency situations
- Easy installation into standard residential plumbing systems
- Designed for long-term, maintenance-free operation

Coming Soon — ensuring your home stays protected, even when you're away.

Stahlmann AquaPro System

Precision monitoring and response for critical infrastructure and commercial environments.

Coming Soon

COMPONENTS:

- Leak Detection Tape (400m max per zone)
- AquaPro HUB — 4-zone monitoring
- Industrial Control Module — RS-485 integration — with manual override & monthly rotation

FEATURES:

- Continuous linear detection with 0.5m accuracy
- IP66/IP67 rated for industrial resilience
- Chemical and mechanical resistance
- Seamless integration with Building Management Systems (BMS)
- Ideal for data centers, logistics hubs, mechanical rooms, and commercial facilities

WHY CHOOSE STAHLMANN AQUAPRO?

RAPID, PRECISE DETECTION

MODULAR SCALABILITY

SMART AUTOMATION & REMOTE CONTROL

30-YEAR INDUSTRIAL-GRADE DURABILITY

AUTOMATIC VALVE CRANKING FOR LONG-TERM RELIABILITY

STAHLMANN AQUAPRO — THE INTELLIGENT SOLUTION FOR MODERN WATER DAMAGE PREVENTION.

warm-on.com

📞 **+49 09343-9809061**

Orders online: 24/7
Call-center: Mon-Fri from 9 to 17

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