

TIMERS & SENSORS



TIMERS &
SENSORS

Delivering Certainty
hamer.co.nz

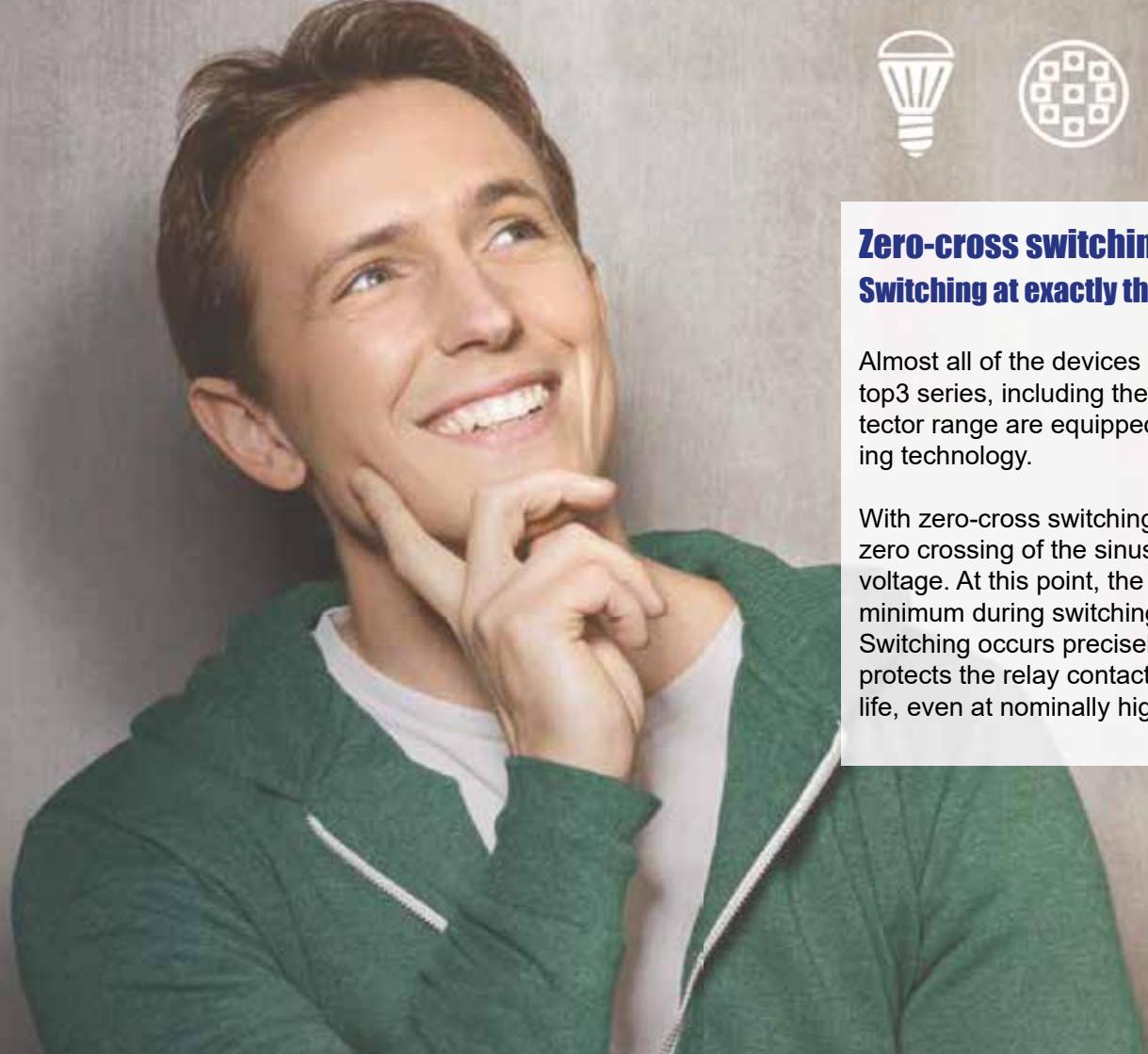
VERSION 1.00

HAMER CODE	BRAND CODE	CAT. CODE	MODEL	PROGRAM	MOUNT	SUPPLY VOLTAGE	AC1	AC3	CHAN-NELS	BAT-TERY RES.	MEM. LOCA-TIONS	MIN. SWITCH. TIME	MAN. O/RIDE	LED LAMP > 2 W	MEM. CARD INCL.
6080101	Theben	6080101	TR608top2S	7day	DIN, 1 module	230-240V AC	16A	4A	1	10yr	56	1min	Y	60 W	N
FT792	Flash	20701	Monotron 107	7day	DIN, 1 module	230VAC	16A	3A	1	3yr	12	1min	Y	-	N/A
FT793	Flash	20702	Monotron 107P	7day	DIN, 1 module	230VAC	16A	3A	1	3yr	20	1min	Y	-	N/A
6090101	Theben	6090101	TR609top2S	7day	DIN, 1 module	230-240V AC	16A	4A	1	10yr	84	1sec	Y	600 W	N
1700130	Theben	1700130	SELEKTA 170top3	7day Astronomical	DIN, 2 module	230VAC	16A	10A	1	10yr	56	1min	Y	600 W	N
1740130	Theben	1740130	SELEKTA 174top3	7day Astronomical	DIN, 2 module	230VAC	16A	10A	2	10yr	56	1min	Y	600 W	N
6100130	Theben	6100130	TR610top3	7day	DIN, 2 module	230VAC	16A	10A	1	10yr	56	1min	Y	600 W	N
6120130	Theben	6120130	TR612top3	7day	DIN, 2 module	230VAC	16A	10A	2	10yr	56	1min	Y	600 W	N
6104100	Theben	6104100	TR610top224V	7day	DIN, 2 module	12-24V UC	16A	2A	1	10yr	56	1min	Y	20 W	N
6100110	Theben	6100110	TR610top2G	7day	DIN, 2 module	230-240V AC	16A	2A	1	10yr	56	1min	Y	20 W	N
6124100	Theben	6124100	TR612top224V	7day	DIN, 2 module	12-24V UC	16A	2A	2	10yr	56	1min	Y	20 W	N
6120103	Theben	6120103	TR612top2	7day	DIN, 2 module	230-240V AC	16A	10A	2	10yr	56	1min	Y	100 W	N
6110103	Theben	6110103	TR611top2	7day	DIN, 2 module	230-240V AC	16A	10A	1	10yr	84	1sec	Y	100 W	Y
6114100	Theben	6114100	TR611top224V	7day	DIN, 2 module	12-24V UC	16A	2A	1	10yr	84	1sec	Y	20 W	Y
6220103	Theben	6220103	TR622top2	7day	DIN, 2 module	230-240V AC	16A	10A	2	10yr	84	1sec	Y	100 W	Y
6224100	Theben	6224100	TR622top224V	7day	DIN, 2 module	12-24V UC	16A	2A	2	10yr	84	1sec	Y	20 W	Y
6350100	Theben	6350100	TR635top2	7day	Wall/panel	230 - 240 V AC	16A	10A	1	10yr	84	1sec	Y	50 W	N
6360100	Theben	6360100	TR636top2	7day	Wall/panel	230 - 240 V AC	6A	6A	2	10yr	84	1sec	Y	50 W	N
6410100	Theben	6410100	TR641top2	Yearly	DIN, 3 module	110-240V AC	16A	10A	1	8yr	800	1sec	Y	180 W	N
6410300	Theben	6410300	TR641top2RC	Yearly	DIN, 3 module	110-240V AC	16A	10A	1	8yr	800	1sec	Y	180 W	Y
6420100	Theben	6420100	TR642top2	Yearly	DIN, 3 module	110-240V AC	16A	10A	2	8yr	800	1sec	Y	180 W	N
6420300	Theben	6420300	TR642top2RC	Yearly	DIN, 3 module	110-240V AC	16A	10A	2	8yr	800	1sec	Y	180 W	Y
6424300	Theben	6424300	TR642top2RC24V	Yearly	DIN, 3 module	12-24V UC	16A	2A	2	8yr	800	1sec	Y	180 W	Y
6440100	Theben	6440100	TR644top2	Yearly	DIN, 4 module	110-240V AC	16A	10A	4	8yr	800	1sec	Y	180 W	N

Analogue Timer Selection

TIMERS & SENSORS

HAMER CODE	BRAND	CAT. CODE	MODEL	PROGRAM	MOUNT	SUPPLY VOLTAGE	AC1	AC3	CHAN-NELS	BAT-TERY RES.	MEM. LOCA-TIONS	MIN. SWITCH. TIME	MAN. O/RIDE
1510011	Theben	1510011	SYN151h	60min	DIN, 3 module	230V AC	10A	4A	1	N	96	37.5 seconds	Y
1690801	Theben	1690801	SYN169s	24hr	Panel/wall	230V AC	10A	2A	1	N	96	15 mins	Y
1890801	Theben	1890801	SUL189s	24hr	Panel/wall	230V AC	10A	2A	1	3 days	96	15 mins	Y
1891801	Theben	1891801	SUL189s110V	24hr	Panel/wall	110V AC	10A	2A	1	3 days	96	15 mins	Y
FT287	Flash	16401	Compact	24hr	Panel/wall/DIN	230V AC	10A	3A	1	N	72	10 mins	Y
FT282	Flash	16022	Compact	24hr	Panel/wall/DIN	230V AC	10A	3A	1	N	72	10 mins	Y
FT286	Flash	16021	Compact	24hr	Panel/wall/DIN	230V AC	10A	3A	1	200hrs	72	10 mins	Y
1600001	Theben	1600001	SYN160a	24hr	DIN, 1 module	230V AC	16A	4A	1	N	96	15 mins	Y
1800001	Theben	1800001	SUL180a	24hr	DIN, 1 module	230-240V AC	16A	4A	1	3 days	96	15 mins	Y
1810011	Theben	1810011	SUL181d	24hr	DIN, 3 module	110-230V AC	16A	4A	1	200hrs	96	15 mins	Y
1610011	Theben	1610011	SYN161d	24hr	DIN, 3 module	230V AC	16A	4A	1	N	96	15 mins	Y
1814011	Theben	1814011	SUL181d24V	24hr	DIN, 3 module	12 - 24V UC	16A	4A	1	200hrs	96	15 mins	Y
2690008	Theben	2690008	SYN269h	24hr/7day	Panel/wall	230V AC	10A	2A	1	N	32	20 min or 2 hours	Y
2890008	Theben	2890008	SUL289h	24hr/7day	Panel/wall	230V AC	10A	2A	1	3 days	32	20 min or 2 hours	Y
2890033	Theben	2890033	SUL289g	24hr/7day	Panel/wall	230V AC	10A	2A	2	3 days	49	20 min or 2 hours	Y
1900001	Theben	1900001	MEM190a	7day	DIN, 1 module	230-240V AC	16A	4A	1	3 days	84	2 hr	Y



Zero-cross switching technology

Switching at exactly the right point

Almost all of the devices in the Theben top2 and top3 series, including the theLuxa S motion detector range are equipped with zero-cross switching technology.

With zero-cross switching, Theben calculates the zero crossing of the sinus curve of the alternating voltage. At this point, the inrush current is at its minimum during switching.

Switching occurs precisely at this moment. This protects the relay contact and extends its service life, even at nominally high switching loads.

Hamer is a 100% New Zealand family-owned business that has proudly supported other New Zealand businesses since 1938.

The philosophy at Hamer is simple: deliver the best quality electrical tools from around the world to the New Zealand market.

We import quality tools, power engineering and electrical products from around the world. Our products are found behind the scenes in power distribution networks, factories, commercial properties and anywhere humans control their environments – from water management in agriculture to air quality in the work space.

Hamer promises to 'Deliver Certainty' to the electrical industry, and we believe our quality products add an element of safety to every aspect of electrical activity in New Zealand. Whether it be the tools used in installation and maintenance or electrical components that energise and protect equipment, Hamer only distributes and supports quality products.



Delivering Certainty



Theben is a leading supplier of premium intelligent solutions for energy saving and comfort in and around buildings. Being a family owned company, founded in 1921 by Paul Schwenk, Theben has more than 95 years of expertise in timer technology and still rank among the most durable and reliable in the industry.

The presence detector, invented by Theben more than 20 years ago in the High Technology Systems laboratory in Switzerland, is today a supporting pillar of the Theben product portfolio, along with the

motion detector – the best on the market.

Theben has now extended its core competencies to many fields, including automatic light control via motion and presence detectors or BUS technologies.

100 % Quality - Each of our products is subject to the strictest quality controls, so they fully conform to our standards and your expectations. Therefore, all products are put through their paces here in our test room in Haigerloch Germany – 100%.



Flash timer controls made in Saverne, France are known for their reliability in analogue and digital time clock controllers.

Flash analogue Compact 16000 series with plugin base and unlosable segments are very popular with users, while the Monomat series being single module, saves on space when it is at a premium.

The Flash Monotron 100 series is a single module digital timer range for when accuracy is required, and space is at a premium in the switchboard.



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Digital Time Switches - 7 day, Bluetooth, top3 Series

- Digital time switches with weekly program.
- Safe data transfer via optional Bluetooth low energy OBELISK top3 dongle (9070130).
- Can be flexibly programmed on PCs, laptops and smartphone app (Android or iOS).
- Ideal for switching LED lamp loads with a massive 600W LED output due to the new zero-cross switching function for relay-saving (not with 24 V devices).
- Suitable for switching of LEDs, incandescent/halogen, energy saving and fluorescent lamp loads.
- Top3 interface is 100% backward compatible with top2 series timers and accessories.
- DIN rail installation.
- DuoFix spring terminals for two conductors each, wire or strand (with or without wire end sleeve). Wire diameter: 0.5 - 2.5 mm².
- Easy text-oriented intuitive user guidance display.
- Integrated operating hour counter.
- Service function for monitoring maintenance intervals.
- Holiday program.
- Easy to read crystal blue display back light (can be turned off).
- PIN code anti-tamper security.
- Automatic summer/winter time changeover (can be deactivated).
- Date rule options are already stored for Europe, the USA and other countries - own date rule options or changeover around set dates are available.
- SELEKTA timers feature astronomical time switch function (automatic calculation of sunrise and sunset times for the whole year). Reversible astronomical mode (evenings ON - mornings OFF or evenings OFF - mornings ON) or can be deactivated.

HAMER CODE	BRAND	CAT. CODE	MODEL	MODULE	PROGRAM	SUPPLY VOLTAGE	CURRENT RESISTIVE	CURRENT INDUCTIVE
6100130	Theben	6100130	TR610top3	2	7day	230V AC	16A	10A
6120130	Theben	6120130	TR612top3	2	7day	230V AC	16A	10A
1700130	Theben	1700130	SELEKTA 170top3	2	7day astronomical	230V AC	16A	10A
1740130	Theben	1740130	SELEKTA 174top3	2	7day astronomical	230V AC	16A	10A
9070130	Theben	9070130	OBELISK top3		Bluetooth low-energy dongle			



6100130



1740130



9070130

LED LAMP > 2 W	NUMBER OF CHANNELS	BATTERY RESERVE	MEMORY LOCATIONS	SHORTEST SWITCHING TIME	FEATURES
600 W	1	10yr	56	1 min	top3 Bluetooth interface
600 W	2	10yr	56	1 min	top3 Bluetooth interface
600 W	1	10yr	56	1 min	top3 Bluetooth interface, calculated astronomical switching times
600 W	2	10yr	56	1 min	top3 Bluetooth interface, calculated astronomical switching times

Digital Time Switches - 7 day

- Digital time switch with weekly program.
- Theben DIN rail mount.
- DuoFix spring terminals.
- Wire diameter: 0.5 - 2.5 mm².
- Button for releasing plug-in connection.
- Easy text-oriented intuitive user guidance display.
- Interface for OBELISK top2 memory card (9070409 PC programming set & 9070404 OBELISK top2 memory cards are optional extras).
- ON-OFF switching times/ switching preselection/ permanent switching ON/OFF.
- Integrated operating hour counter.
- Service function for monitoring maintenance intervals.
- Holiday program.
- PIN code anti-tamper security.
- Automatic summer/winter time changeover (can be deactivated).
- Date rule options are already stored for Europe, the USA and other countries - own date rule options or changeover around set dates are available.
- Flash timers ready for install.

HAMER CODE	BRAND	CAT. CODE	MODEL	MODULE	PROGRAM	SUPPLY VOLTAGE	CURRENT RESISTIVE	CURRENT INDUCTIVE
6080101	Theben	6080101	TR608top2S	1	7day	230-240V AC	16A	4A
FT792	Flash	20701	Monotron 107	1	7day	230V AC	16A	3A
FT793	Flash	20702	Monotron 107P	1	7day	230V AC	16A	3A
6104100	Theben	6104100	TR610top224V	2	7day	12-24V UC	16A	2A
6100110	Theben	6100110	TR610top2G	2	7day	230-240V AC	16A	2A
6124100	Theben	6124100	TR612top224V	2	7day	12-24V UC	16A	2A
6120103	Theben	6120103	TR612top2	2	7day	230-240V AC	16A	10A



6080101



FT793



6100110



6120103

LED LAMP > 2 W	NUMBER OF CHANNELS	BATTERY RESERVE	MEMORY LOCATIONS	SHORTEST SWITCHING TIME	FEATURES
60 W	1	10yr	56	1 min	
-	1	3yr	12	1 min	10 prerecorded programs
-	1	3yr	20	1 min	
20 W	1	10yr	56	1 min	
20 W	1	10yr	56	1 min	Special device with extra relays (gold-bonded contacts) for switching of very low loads
20 W	2	10yr	56	1 min	Two-way changeover contact, phase-independent
100 W	2	10yr	56	1 min	Two-way changeover contact, phase-independent

Digital Time Switches - 7 day, Pulse

- Digital time switch with weekly and pulse program.
- DIN rail mounted (except 6350100 + 6360100 wall/ panel mounted).
- External input (except 6350100 + 6360100).
- Connectable sensors (external selector switch, sequence timer).
- Connectable switches (ON or OFF permanent switching).
- DuoFix spring terminals for 2 conductors each, wire or strand (with or without wire end sleeve). Wire diameter: 0.5 - 2.5 mm².
- Button for releasing plug-in connection.
- Easy text-oriented intuitive user guidance display.
- Interface for OBELISK top2 memory card (9070409 PC programming set & 9070404 OBELISK top2 memory cards are optional extras).
- 10 year power reserve (lithium battery).
- ON-OFF switching times/ pulse program/ cycle program.
- Switching preselection/ permanent switching ON/OFF.
- Timer countdown and integrated operating hour counter.
- Service function for monitoring maintenance intervals.
- Holiday program + 2 random programs.
- Display back light (can be turned off).
- PIN code anti-tamper security.
- Automatic summer/winter time changeover (can be deactivated).
- Date rule options are already stored for Europe, the USA and other countries - own date rule options or changeover around set dates are available.

HAMER CODE	BRAND	CAT. CODE	MODEL	MODULE	PROGRAM	SUPPLY VOLTAGE	CURRENT RESISTIVE	CURRENT INDUCTIVE
6090101	Theben	6090101	TR609top2S	1	7day	230-240V AC	16A	4A
6110103	Theben	6110103	TR611top2	2	7day	230-240V AC	16A	10A
6114100	Theben	6114100	TR611top224V	2	7day	12-24V UC	16A	2A
6220103	Theben	6220103	TR622top2	2	7day	230-240V AC	16A	10A
6224100	Theben	6224100	TR622top224V	2	7day	12-24V UC	16A	2A
6350100	Theben	6350100	TR635top2	Wall/ panel mt	7day	230 - 240 V AC	16A	10A
6360100	Theben	6360100	TR636top2	Wall/ panel mt	7day	230 - 240 V AC	6A	6A



6090101



6110103



6220103



6360100

LED LAMP > 2 W	NUMBER OF CHANNELS	BATTERY RESERVE	MEMORY LOCATIONS	SHORTEST SWITCHING TIME	MEMORY CARD INCL.	FEATURES
600 W	1	10yr	84	1sec	N	
100 W	1	10yr	84	1sec	Y	
20 W	1	10yr	84	1sec	Y	
100 W	2	10yr	84	1sec	Y	2 external inputs
20 W	2	10yr	84	1sec	Y	2 external inputs
50 W	1	10yr	84	1sec	N	
50 W	2	10yr	84	1sec	N	

Digital Time Switches - Yearly, Astronomical & Pulse

- Digital time switch with yearly, astronomical time & pulse program.
- External input.
- Connectable sensors (external selector switch, sequence timer).
- Connectable switches (ON or OFF permanent switching).
- DuoFix spring terminals for 2 conductors each, wire or strand (with or without wire end sleeve). Wire diameter: 0.5 - 2.5 mm².
- Button for releasing plug-in connection.
- Easy text-oriented intuitive user guidance display.
- 800 memory locations
- Interface for OBELISK top2 memory card (9070409 PC programming set & 9070404 OBELISK top2 memory cards are optional extras).
- ON-OFF switching times/ pulse program/cycle program.
- Switching preselection/ permanent switching ON/OFF.
- 8 year power reserve (lithium battery).
- Zero-cross switching for relay-saving switching and high lamp loads (not with 24 V devices).
- Automatic summer/winter time changeover (can be deactivated).
- Date rule options are already stored for Europe, the USA and other countries - own date rule options or changeover around set dates are available.
- Extensive yearly clock functions.
- Basic weekly program and 14 different weekly programs with priority levels and date ranges.
- Permanent ON / permanent OFF with highest priority via date range program option.
- Fixed and variable public holidays, public holidays dependent on Easter, day and date ranges with serial pattern.
- Program simulation on clock display.
- Graphic program simulation with 12 month overview for all channels on PC.
- Astronomical time switch function (automatic calculation of sunrise and sunset times for the whole year).
- Offset for adjusting of sunrise and sunset times.
- Position data via coordinates or country/ city lists can be programmed.
- Optional production of own city list (favourites) and a table with own astronomical times on PC.
- Fixed ON-OFF switching times can be programmed (e.g. night time interruption).

HAMER CODE	BRAND	CAT. CODE	MODEL	MODULE	PROGRAM	SUPPLY VOLTAGE	CURRENT RESISTIVE	CURRENT INDUCTIVE
6410100	Theben	6410100	TR641top2	3	Yearly	110-240V AC	16A	10A
6410300	Theben	6410300	TR641top2RC	3	Yearly	110-240V AC	16A	10A
6420100	Theben	6420100	TR642top2	3	Yearly	110-240V AC	16A	10A
6420300	Theben	6420300	TR642top2RC	3	Yearly	110-240V AC	16A	10A
6424300	Theben	6424300	TR642top2RC24V	3	Yearly	12-24V UC	16A	2A
6440100	Theben	6440100	TR644top2	4	Yearly	110-240V AC	16A	10A

- Simulation of astronomical switching times (calculated astronomical times and programmed ON/OFF switching times) for the whole year.
- Various astronomical setting options (evening ON - mornings OFF or evenings OFF - mornings ON, astronomical pulse).
- Switching preselection/ permanent switching ON/OFF.
- Count-down timer & integrated operating hour counter.
- Service function for monitoring maintenance intervals.
- Holiday program.
- 2 random programs.
- Display back light (can be turned off).
- PIN code anti-tamper security.



6410100

6424300

6440100

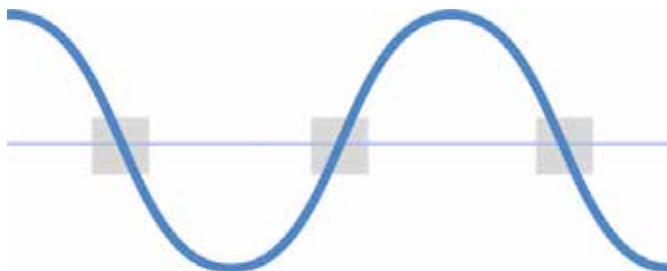
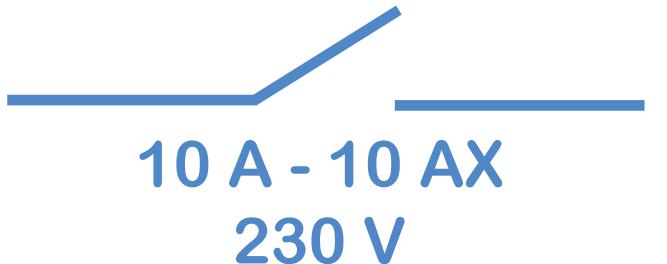
LED LAMP > 2 W	NUMBER OF CHANNELS	BATTERY RESERVE	MEMORY LOCATIONS	SHORTEST SWITCHING TIME	MEMORY CARD INCL.	FEATURES
180 W	1	8yr	800	1 sec	N	
180 W	1	8yr	800	1 sec	Y	Time synchronisation via external DCF or GPS antennas
180 W	2	8yr	800	1 sec	N	2 External inputs
180 W	2	8yr	800	1 sec	Y	2 External inputs, time synchronisation via external DCF or GPS antennas
180 W	2	8yr	800	1 sec	Y	2 External inputs, time synchronisation via external DCF or GPS antennas
180 W	4	8yr	800	1 sec	N	4 External inputs

Switching LED Lamps With the Right Contact. At the Right Time.

High currents require special contacts. Alongside silver tin oxide (AgSnO₂) Theben uses a combination of two very durable Tungsten contacts closing one after the other. The leading contact captures inrush current, limiting it simultaneously - as a result the low resistance main contact remains unloaded from the switching peaks. These relays are used in Theben's digital time switches as well as its performance detectors, theLuxa P series and the presence detector theRonda P.

The zero-cross switching calculates the zero crossing of the sine curve of the alternating voltage. At that moment, the inrush current is at its minimum during switching.

This protects the relay contact and extends its service life. Almost all of the devices of the top2 and top3 series are equipped with it.





theben
energy saving comfort

Analogue Time Switches - Panel/ Wall Installation, Daily

- Analogue time switch daily program (24hr).
- 1 channel.
- 96 switching segments with shortest switching time: 15 minutes.
- Clock hands for time display and setting (clockwise only).
- Switching preselection.
- Permanent ON/OFF switch.
- Switching status display.
- Simple summer/winter time correction.
- Changeover contact.
- 1690801 SYN169s synchronised with mains.
- 1890801 + 1891801 (SUL189s + SUL189s110V) NiMH rechargeable battery. Quartz controlled.
- Flash 16000 series also DIN rail mountable.



1690801



FT287

HAMER CODE	BRAND	CAT. CODE	MODEL	PROGRAM	SUPPLY VOLTAGE	CURRENT RESISTIVE	CURRENT INDUCTIVE
1690801	Theben	1690801	SYN169s	24hr	230V AC	10A	2A
1890801	Theben	1890801	SUL189s	24hr	230V AC	10A	2A
1891801	Theben	1891801	SUL189s110V	24hr	110V AC	10A	2A
FT287	Flash	16401	Compact	24hr	230V AC	16A	3A
FT282	Flash	16022	Compact	24hr	230V AC	16A	3A
FT286	Flash	16021	Compact	24hr	230V AC	16A	3A
2690008	Theben	2690008	SYN269h	24hr/7day	230V AC	10A	2A
2890008	Theben	2890008	SUL289h	24hr/7day	230V AC	10A	2A
2890033	Theben	2890033	SUL289g	24hr/7day	230V AC	10A	2A

Analogue Time Switches - Panel/ Wall Installation, Daily or Weekly

- Analogue time switch with daily or weekly program (switching disc can be turned over).
- Comes with 32 tappets - insert for desired switching times.
- Shortest switching time: 20 minutes or 2 hours.
- Clock hands for time display and setting (clockwise only).
- Switching status display.
- 2890008 + 2890033 (SUL289h + SUL289g) NiMH rechargeable battery. Quartz controlled.
- 2890033 SUL289g 2 channel, comes with 49 tappets.



2890033

NUMBER OF CHANNELS	BATTERY RESERVE	MAX SWITCHINGS	SHORTEST SWITCHING TIME	FEATURES
1	N	96	15 mins	Manual switch, permanent ON/ OFF
1	3 days	96	15 mins	Manual switch, permanent ON/ OFF
1	3 days	96	15 mins	Manual switch, permanent ON/ AUTO/ continuous OFF
1	N	72	10mins	SPST, clockwise setting only
1	N	72	10mins	SPDT, dual direction setting
1	200hrs	72	10mins	SPDT, dual direction setting
1	N	32	20 min or 2 hours	Manual switch, permanent ON/ OFF
1	3 days	32	20 min or 2 hours	Manual switch, permanent ON/ OFF
2	3 days	49	20 min or 2 hours	Continuous switching; 2 two way switches

Analogue Time Switches - DIN Rail Installation

- Analogue time switch.
- DIN rail mounted.
- Suitable for incandescent/halogen, energy saving and LED lamp loads (see product for more details).
- Quartz controlled (except 1600001 SYN160a as mains synchronised).
- Battery reserve timers use NiMH rechargeable battery.
- Screw terminals on 1600001, 1800001 + 10002.
- DuoFix spring terminals on all other models.
- Manual switch with 3 positions: Permanent ON/AUTO/continuous OFF (Flash 10002 without continuous off).



1800001



FT789



1900001

HAMER CODE	BRAND	CAT. CODE	MODEL	MODULE	PROGRAM	SUPPLY VOLTAGE	CURRENT RESISTIVE
1600001	Theben	1600001	SYN160a	1	24hr	230V AC	16A
1800001	Theben	1800001	SUL180a	1	24hr	230-240V AC	16A
FT602	Flash	13302	Micromat	3	24hr	230V AC	16A
FT789	Flash	10002	Monomat	1	24hr	230V AC	16A
1900001	Theben	1900001	MEM190a	1	7day	230-240V AC	16A
1510011	Theben	1510011	SYN151h	3	60min	230V AC	10A
1810011	Theben	1810011	SUL181d	3	24hr	110-230V AC	16A
1610011	Theben	1610011	SYN161d	3	24hr	230V AC	16A
1814011	Theben	1814011	SUL181d24V	3	24hr	12 - 24V UC	16A



1510011



1610011



FT602

CURRENT INDUCTIVE	NUMBER OF CHANNELS	BATTERY RESERVE	MAX SWITCHINGS	SHORTEST SWITCHING TIME	FEATURES
4A	1	N	96	15 mins	Synchronised with mains
4A	1	3 days	96	15 mins	Quartz controlled. NiMH rechargeable battery
4A	1	200hrs	48	15 mins	
4A	1	200hrs	96	15 mins	
4A	1	3 days	84	2 hr	Quartz controlled. NiMH rechargeable battery
4A	1	N	96	37.5 seconds	Synchronised with mains
4A	1	200 hrs approx/100 hrs @ 110V	96	15 mins	Button for releasing plug-in connection
4A	1	N	96	15 mins	Synchronised with mains
4A	1	200 hrs	96	15 mins	Button for releasing plug-in connection

Analogue Time Switches -Wall Installation with Defrost Program

- Analogue cooling time switch with daily and short time program.
- 2 channels.
- Wall-mounted.
- 8 tappets included in delivery.
- Optional delayed switching on of fan.
- 24 hour switching disc for hour preselection.
- 60 minute switching disc for setting short contact duration.
- Screw terminals.



770033

HAMER CODE	BRAND	CAT. CODE	MODEL	PROGRAM	SIZE MM	SUPPLY VOLTAGE	CURRENT RESISTIVE
770033	Theben	770033	FRI77g	24hr	105 x 105	230V AC	16A

CURRENT INDUCTIVE	NUMBER OF CHANNELS	BATTERY RESERVE	MAX SWITCHINGS	SHORTEST SWITCHING TIME	FEATURES
4A	2	N	24/ 60	1hr/1min	Defrost program timer



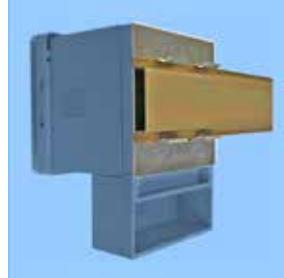
More Time for What Matters | Theben top3 Series Timers



Time Switches - Accessories

- Time switch accessories for all Theben analogue and digital devices.

HAMER CODE	BRAND	CAT. CODE	TYPE	FEATURES	FEATURES OTHER	SIZE
9070065	Theben	9070065	Wall mounting kit for DIN rail devices	Fits 1x module		17.5 mm
9070064	Theben	9070064	Wall mounting kit for DIN rail devices	Fits 2x module		35 mm
9070050	Theben	9070050	Wall mounting kit for DIN rail devices	Fits 3x module		52.5 mm
9070049	Theben	9070049	Wall mounting kit for DIN rail devices	Fits 4x module		70 mm
9070053	Theben	9070053	Wall mounting kit for DIN rail devices	Fits 5x module		105 mm
9070001	Theben	9070001	Front panel mounting kit for DIN rail devices	Fits 1 to 5x module		17.5 to 107.5mm
9070071	Theben	9070071	Din rail mounting snap on kit	For Theben analogue wall mounted timers		72 x 72mm



9070001

9070071

9070130

9070404

9070409

HAMER CODE	BRAND	CAT. CODE	TYPE	FEATURES	FEATURES OTHER	SIZE
9070130	Theben	9070130	Bluetooth OBELISK top3 dongle	Wireless program transfer to Theben top3 series devices		50mm H x 17mm L x 10mm W
9070404	Theben	9070404	OBELISK top2 memory card	Program transfer card for all Theben top2 series devices	Works with 9070409 PC programming set	33mm H x 13mm L x 7.5mm W
9070409	Theben	9070409	OBELISK top2 Windows PC time clock programing set	USB adaptor, software + top2 memory card (9070404)	For Windows PC - Windows XP/Vista/7/8 (32/64 Bit)	
6490104	Theben	6490104	EM4top2 4 channel extension module	Adaptor for TR641/642/644 top2 RC series digital timers	16/10A 110-240V AC	128.2mm H x 88.5mm L x 76.2mm W
6490900	Theben	6490900	EMLANtop2 LAN communication module	Adaptor for TR641/642/644 top2 RC series digital timers	230V AC, DIN rail mount	128.2mm H x 70.5mm L x 76.2mm W
9070410	Theben	9070410	Antenna top2 RC-DCF	Time synchronisation adaptor antenna	For Theben top2-RC devices	93mm H x 72mm L x 81.5mm W
9070610	Theben	9070610	Antenna top2 RC-GPS	Worldwide time sync & positioning via GPS	For Theben top2-RC devices	Requires 9070892 power unit top2 GPS
9070892	Theben	9070892	Power unit top2 GPS	For Theben top2-RC devices	230V AC, DIN rail mount	Required for 9070610 antenna top2 RC-GPS



6490104



6490900



9070410



9070610



9070892

Twilight Switches - "LUNA" Analogue, DIN Rail

- Analogue twilight switch with external light sensor.
- LUNA 108 + 109 series with fixed ON and OFF switching delay to avoid faulty operation caused by lightning, car headlights etc.
- LUNA 110 series has adjustable ON and OFF switching for desired setting.
- Display of channel and switching status.
- Adjustable switching brightness.
- DIN rail mounted.
- Suitable for switching incandescent, halogen, fluorescent, energy saving and LED lamps and lighting.



1080700

1080710

1090100

HAMER CODE	BRAND	CAT. CODE	MODEL	SENSOR	SUPPLY VOLTAGE
1080700	Theben	1080700	LUNA 108 EL	Flush mount, IP65	220-240V AC, 50/60Hz
1080710	Theben	1080710	LUNA 108 AL	Surface mount, IP54	220-240V AC, 50/60Hz
1090100	Theben	1090100	LUNA 109 AL	Surface mount, IP55	220-240V AC, 50/60Hz
1100200	Theben	1090200	LUNA 109 EL	Flush mount, IP65	220-240V AC, 50/60Hz
1100100	Theben	1100100	LUNA 110 AL	Surface mount, IP55	220-240V AC, 50/60Hz
1100200	Theben	1100200	LUNA 110 EL	Flush mount, IP65	220-240V AC, 50/60Hz
1104100	Theben	1104100	LUNA 110 AL 24V	Surface mount, IP55	12-24V UC
1104200	Theben	1104200	LUNA 110 EL 24V	Flush mount, IP65	12-24V UC



CURRENT RESISTIVE	CURRENT INDUCTIVE	NUMBER OF CHANNELS	SETTING RANGE BRIGHTNESS	SWITCH-ON DELAY	SWITCH-OFF DELAY	LED LAMP LOAD > 8 W
16A	10A AX	1	2 - 100 lx	20 sec	80 sec	70 W
16A	10A AX	1	2 - 100 lx	20 sec	80 sec	70 W
16A	10A AX	1	2 - 2000 lx	60 sec	60 sec	70 W
16A	10A AX	1	2 - 2000 lx	60 sec	60 sec	70 W
16A	16A AX	1	2 - 50000 lx	0 - 20 min	0 - 20 min	200 W
16A	16A AX	1	2 - 50000 lx	0 - 20 min	0 - 20 min	200 W
16A	2A AX	1	2 - 50000 lx	0 - 20 min	0 - 20 min	24 W
16A	2A AX	1	2 - 50000 lx	0 - 20 min	0 - 20 min	24 W

Twilight Switches - “LUNA” Digital (Without Clock), DIN Rail

- Digital twilight switch without clock.
- Light level controller with external input.
- DIN rail mounted controller with remote sensor.
- External light sensor included in delivery.
- Switching brightness digitally adjustable.
- Adjustable ON and OFF switching delay to avoid switching errors caused by lightning, car headlights etc. (preset 1 minute).
- Switching brightness and switching delay can be set separately for switching ON and OFF.
- Onscreen display of channel and switching status as well as current lux value.
- Quick install DuoFix spring terminals.
- Zero-cross switching for relay-saving switching and high lamp loads (not with 24 V devices).
- Up to 4 sensors can be attached.
- Up to 10 devices can be connected to a digital sensor.
- Interface for OBELISK top2 memory card (PC programming) for inserting, copying and storing programs.
- Extended brightness range.
- Permanent switching ON/OFF.
- Test function - (Permanent ON) to check the installation independently of set brightness value.
- Switching preselection.
- Display back light (can be turned off).
- PIN coding for security - avoids any unwanted tampering of settings.
- Operating hour counter with reminder function.
- LUNA 111top2 series: 2 channels, 2 external control inputs & channel independent operating hour counter.

HAMER CODE	BRAND	CAT. CODE	MODEL	SENSOR	SUPPLY VOLTAGE
1110100	Theben	1110100	LUNA 111top2 AL	Surface mount, IP55	220-240V AC, 50/60Hz
1110200	Theben	1110200	LUNA 111top2 EL	Flush mount, IP66 front / IP40 back	220-240V AC, 50/60Hz
1120100	Theben	1120100	LUNA 112top2 AL	Surface mount, IP55	100-240V AC, 50/60Hz
1120200	Theben	1120200	LUNA 112top2 EL	Flush mount, IP66 front / IP40 back	100-240V AC, 50/60Hz



1110100



1110200



1120100



1120200



CURRENT RESISTIVE	CURRENT INDUCTIVE	NUMBER OF CHANNELS	SETTING RANGE BRIGHTNESS	SWITCH-ON DELAY	SWITCH-OFF DELAY	LED LAMP LOAD > 8 W
16A	10A AX	1	1 - 99000 lx	0 - 59 min	0 - 59 min	120 W
16A	10A AX	1	1 - 99000 lx	0 - 59 min	0 - 59 min	120 W
16A	10A AX	2	1 - 99000 lx	0 - 59 min	0 - 59 min	120 W
16A	10A AX	2	1 - 99000 lx	0 - 59 min	0 - 59 min	120 W

Twilight Switches - “LUNA” Digital + Timer (Analogue Adjustable Switching Brightness), DIN Rail

- Twilight switch with integrated weekly timer & analogue adjustable switching brightness.
- 1 channel DIN rail mounted controller with remote sensor.
- External light sensor included in delivery.
- Adjustable ON and OFF switching delay to avoid switching errors caused by lightning, car headlights etc. (preset 1 minute).
- Switching brightness and switching delay can be set separately for switching ON and OFF.
- Fixed ON and OFF times (e.g. night time interruption) can be programmed independent of brightness.
- Onscreen display of channel and switching status.
- Quick install DuoFix spring terminals.
- Zero-cross switching for relay-saving switching and high lamp loads.
- Interface for OBELISK top2 memory card (PC programming) for inserting, copying and storing programs.
- Holiday program with yearly function.
- Different summer/winter time rules can be selected or freely defined.
- Permanent switching ON/OFF.
- Test function (Permanent ON) to check the installation independently of set brightness value.
- Switching preselection.
- Display back light (can be turned off).
- PIN coding for security - avoids any unwanted tampering of settings.
- Operating hour counter with reminder function.

HAMER CODE	BRAND	CAT. CODE	MODEL	SENSOR	SUPPLY VOLTAGE	CURRENT RESISTIVE	CURRENT INDUCTIVE
1200100	Theben	1200100	LUNA 120top2 AL	Surface mount, IP55	220-240V AC, 50/60Hz	16A	10A AX
1200200	Theben	1200200	LUNA 120top2 EL	Flush mount, IP65	220-240V AC, 50/60Hz	16A	10A AX



1200100



1200200

NUMBER OF CHANNELS	SETTING RANGE BRIGHTNESS	SWITCH-ON DELAY	SWITCH-OFF DELAY	LED LAMP LOAD > 8 W	PROGRAM	MEMORY LOCATIONS	MIN SWITCHING	BATTERY RESERVE
1	2 - 2000 lx	0 - 59 min	0 - 59 min	120 W	Weekly	56	1 min	10yr
1	2 - 2000 lx	0 - 59 min	0 - 59 min	120 W	Weekly	56	1 min	10yr

Twilight Switches - “LUNA” Digital + Timer Program Control, DIN Rail

- Twilight switch with integrated weekly timer & analogue adjustable switching brightness.
- 1 channel DIN rail mounted controller with remote sensor.
- External light sensor included in delivery.
- Up to 4 sensors can be attached.
- Up to 10 devices can be connected to a digital sensor.
- Adjustable ON and OFF switching delay to avoid switching errors caused by lightning, car headlights etc. (preset 1 minute).
- Switching brightness and switching delay can be set separately for switching ON and OFF.
- Fixed ON and OFF times (e.g. night time interruption) can be programmed independent of brightness.
- Onscreen display of channel and switching status.
- Quick install DuoFix spring terminals.
- Zero-cross switching for relay-saving switching and high lamp loads.
- DCF77 or GPS radio controlled time via external antenna (requires optional accessories).
- Interface for OBELISK top2 memory card (PC programming) for inserting, copying and storing programs.
- Holiday program plus 2 special programs with yearly function.
- Different summer/winter time rules can be selected or freely defined.
- Permanent switching ON/OFF.
- Test function (Permanent ON) to check the installation independently of set brightness value.
- Switching preselection.
- Display back light (can be turned off).
- PIN coding for security - avoids any unwanted tampering of settings.
- Operating hour counter with reminder function.

HAMER CODE	BRAND	CAT. CODE	MODEL	SENSOR	SUPPLY VOLTAGE	CURRENT RESISTIVE	CURRENT INDUCTIVE
1210100	Theben	1210100	LUNA 121top2 RC AL	Surface mount, IP55	230-240V AC, 50/60Hz	16A	10A AX
1210200	Theben	1210200	LUNA 121top2 RC EL	Flush mount, IP66 front/ IP40 back	230-240V AC, 50/60Hz	16A	10A AX
1220100	Theben	1220100	LUNA 122top2 RC AL	Surface mount, IP55	100-240V AC, 50/60Hz	16A	10A AX
1220200	Theben	1220200	LUNA 122top2 RC EL	Flush mount, IP66 front/ IP40 back	100-240V AC, 50/60Hz	16A	10A AX



1210100



1210200



1220100



1220200

NUMBER OF CHANNELS	SETTING RANGE BRIGHTNESS	SWITCH-ON DELAY	SWITCH-OFF DELAY	LED LAMP LOAD > 8 W	PROGRAM	MEMORY LOCATIONS	MIN SWITCHING	BATTERY RESERVE
1	1 - 99000 lx	0 - 59 min	0 - 59 min	120 W	Weekly	84	1 min	10yr
1	1 - 99000 lx	0 - 59 min	0 - 59 min	120 W	Weekly	84	1 min	10yr
2	1 - 99000 lx	0 - 59 min	0 - 59 min	120 W	Weekly	84	1 min	10yr
2	1 - 99000 lx	0 - 59 min	0 - 59 min	120 W	Weekly	84	1 min	10yr

Twilight Switches - “LUNA star” Integrated Sensor, Wall or Mast Installation

- Theben LUNA series twilight switch with integrated light sensor.
- Cable feed from the back and from below.
- Cover with snap-on function when opening for the straightforward installation of the device.
- Captive screws.
- Large terminal area.
- Brightness value can be set without opening the device.
- Large light exposure angle (approx. 180 degrees).
- LUNA 126star with fixed ON/ OFF switching delay and infinitely adjustable switching brightness.
- LUNA 127star with adjustable ON/ OFF switching delay, test button & infinitely adjustable switching brightness.
- LUNA 128star same as LUNA 127star but with extended brightness range.
- LUNA 129star-time same as LUNA 127star but with time function for freely-programmable night switch-off (daily program), auto Summer/Winter time correction, switching brightness & delay can be set separately for ON and OFF, and integrated lithium battery reserve.

HAMER CODE	BRAND	CAT. CODE	MODEL	INTEGRATED SENSOR	SUPPLY VOLTAGE	CURRENT RESISTIVE	CURRENT INDUCTIVE
1260700	Theben	1260700	LUNA 126star	Wall or mast mount, IP55	220-230V AC, 50/60Hz	16A	10A AX
1270700	Theben	1270700	LUNA 127star	Wall or mast mount, IP55	220-230V AC, 50/60Hz	16A	10A AX
1280700	Theben	1280700	LUNA 128star	Wall or mast mount, IP55	220-230V AC, 50/60Hz	16A	10A AX
1290700	Theben	1290700	LUNA 129star-time	Wall or mast mount, IP55	220-230V AC, 50/60Hz	16A	10A AX



1260700



1290700

NUMBER OF CHANNELS	SETTING RANGE BRIGHTNESS	SWITCH-ON DELAY	SWITCH-OFF DELAY	LED LAMP LOAD > 8 W	PROGRAM	MIN SWITCHING	BATTERY RESERVE	BATTERY RESERVE
1	5 - 200 lx	40 sec	40 sec	70 W	-			10yr
1	2 - 200 lx	2 - 100 sec	2 - 100 sec	70 W	-			10yr
1	2 - 2000 lx	2 - 100 sec	2 - 100 sec	70 W	-			10yr
1	2 - 200 lx	0 - 10 min	0 - 10 min	70 W	Daily (24hr)	1 min	1.5yr	10yr

Twilight Switches - Accessories

- LUNA series replacement light sensors.

HAMER CODE	BRAND	CAT. CODE	MODEL	SENSOR	FEATURES
9070008	Theben	9070008	Analogue surface-mounted light sensor	IP54, rotatable	Mounting bracket inc
9070011	Theben	9070011	Analogue flush-mounted light sensor	IP65	1m cable
9070415	Theben	9070415	Digital surface-mounted light sensor	IP55, rotatable	Mounting bracket inc
9070456	Theben	9070456	Digital flush-mounted light sensor	IP66 front / IP40 back	Spring terminals



9070008



9070011



9070415



9070456

theLuxa S360

Premium Sensor Lights

theben
energy saving comfort

- Domestic or Commercial
- Versatile, Adjustable Sensors
- White or Black
- Stylish Reliability
- Wall or Ceiling Mountable



Wall mountable versions include:



theLuxa S150 BK



theLuxa S150 WH



theLuxa S180 BK



theLuxa S180 WH



theLuxa Range | Simpler, Smarter, More Elegant

LED Spotlights - theLeda P, Professional Series

- LED spotlight with or without PIR motion detection sensor.
- Suitable for outdoor use, IP55 - wall mountable.
- Single-handed plug-in installation.
- Diffused glare-free light with aura effect.
- Master/slave switching.
- Back side made of high-quality aluminium die-cast for optimal cooling of the high-power LEDs.
- Spacer included in delivery.

- High quality European styled design, made in Germany.
- PIR motion detector series - automatic lighting control based on presence and brightness.
- Functions: teach-in, test, twilight switch, dimmable orientation light and night interruption adjustable.
- Controls are place protected.
- Remote controllable with optional remote controls theSenda P and theSenda S.

HAMER CODE	BRAND	CAT. CODE	MODEL / COLOUR	TYPE	IP RATING
1020941	Theben	1020941	theLeda P12WH, white	LED spotlight with motion detector (PIR)	IP55
1020942	Theben	1020942	theLeda P12AL, aluminium	LED spotlight with motion detector (PIR)	IP55
1020943	Theben	1020943	theLeda P24WH, white	2xLED spotlights with motion detector (PIR)	IP55
1020944	Theben	1020944	theLeda P24AL, aluminium	2xLED spotlights with motion detector (PIR)	IP55
1020741	Theben	1020741	theLeda P12LWH, white	LED spotlight	IP55
1020742	Theben	1020742	theLeda P12LAL, aluminium	LED spotlight	IP55
1020743	Theben	1020743	theLeda P24LWH, white	2x LED spotlights	IP55
1020744	Theben	1020744	theLeda P24LAL, aluminium	2x LED spotlights	IP55
9070969	Theben	9070969	theLeda P WH, white	Corner angle mounting bracket	-
9070970	Theben	9070970	theLeda P AL, aluminium	Corner angle mounting bracket	-
9070971	Theben	9070971	theLeda P WH, white	Spacer mounting bracket	-
9070972	Theben	9070972	theLeda P AL, aluminium	Spacer mounting bracket	-



1020941



1020944



1020742



1020743

LED LIGHT	DETECTION RANGE	FEATURES	MOUNTING	POWER
Single, 11W, 900 lm, service life L80/B10/50 000 h	180° / head-on 3.5mt / diagonally 10mt + creep under	Adj light 35° left/right, 60° up/downwards, wall-wash reverse 180°	1.8 to 2.5mt	230V AC, 50-60Hz
Single, 11W, 900 lm, service life L80/B10/50 000 h	180° / head-on 3.5mt / diagonally 10mt + creep under	Adj light 35° left/right, 60° up/downwards, wall-wash reverse 180°	1.8 to 2.5mt	230V AC, 50-60Hz
Dual, 20W total, 2x900 lm, service life L80/B10/50 000 h	180° / head-on 3.5mt / diagonally 10mt + creep under	Adj light 30° backwards, 60° downwards	1.8 to 2.5mt	230V AC, 50-60Hz
Dual, 20W total, 2x900 lm, service life L80/B10/50 000 h	180° / head-on 3.5mt / diagonally 10mt + creep under	Adj light 30° backwards, 60° downwards	1.8 to 2.5mt	230V AC, 50-60Hz
Single, 11W, 900 lm, service life L80/B10/50 000 h	-	Adj light 35° left/right, 60° up/downwards, wall-wash reverse 180°	1.8 to 2.5mt	230V AC, 50-60Hz
Single, 11W, 900 lm, service life L80/B10/50 000 h	-	Adj light 35° left/right, 60° up/downwards, wall-wash reverse 180°	1.8 to 2.5mt	230V AC, 50-60Hz
Dual, 20W total, 2x900 lm, service life L80/B10/50 000 h	-	Adj light 30° backwards, 60° downwards	1.8 to 2.5mt	230V AC, 50-60Hz
Dual, 20W total, 2x900 lm, service life L80/B10/50 000 h	-	Adj light 30° backwards, 60° downwards	1.8 to 2.5mt	230V AC, 50-60Hz
-	-	-	-	-
-	-	-	-	-
-	-	-	-	-
-	-	-	-	-

LED Spotlights - theLeda S, Standard Series

- LED spotlight with or without PIR motion detection sensor.
- Suitable for outdoor use, IP55 - wall mountable.
- Single-handed plug-in installation.
- 1 LED spot with 10 W is equivalent to 140 W halogen spotlight output.
- Integrated heat sink in housing colour.
- Direct-LED for maximum light output.
- High-tech matrix-LED module.
- High quality European styled design, made in Germany.
- PIR motion detector series - automatic lighting control based on presence and brightness.
- Settings can be changed without tools.
- Instant start-up possible via factory preset.
- Adjustable lux value and switch-off delay.
- Area limit via lens attachment.
- Orientation light with configurable dimming level.
- Short and extended function via manual control system.

HAMER CODE	BRAND	CAT. CODE	MODEL / COLOUR	TYPE	IP RATING
1020921	Theben	1020921	theLeda S10 WH, white	LED spotlight with motion detector (PIR)	IP55
1020922	Theben	1020922	theLeda S10 BK, black	LED spotlight with motion detector (PIR)	IP55
1020923	Theben	1020923	theLeda S20 WH, white	2x LED spotlights with motion detector (PIR)	IP55
1020924	Theben	1020924	theLeda S20 BK, black	2x LED spotlights with motion detector (PIR)	IP55
1020721	Theben	1020721	theLeda S10L WH, white	LED spotlight	IP55
1020722	Theben	1020722	theLeda S10L BK, black	LED spotlight	IP55
1020723	Theben	1020723	theLeda S20L WH, white	2x LED spotlights	IP55
1020724	Theben	1020724	theLeda S20L BK, black	2x LED spotlights	IP55
9070969	Theben	9070969	theLeda S WH, white	Corner angle mounting bracket	-
9070987	Theben	9070987	theLeda S BK, black	Corner angle mounting bracket	-
9070971	Theben	9070971	theLeda S WH, white	Spacer mounting bracket	-
9070988	Theben	9070988	theLeda S BK, black	Spacer mounting bracket	-



1020921



1020924



1020722



1020723

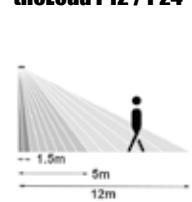
LED LIGHT	DETECTION RANGE	FEATURES	MOUNTING	POWER
Single, 10W, 840 lm, service life L80/B10/50 000 h	180° / head-on 3.5mt / diagonally 10mt + creep under	Adj light +/- 40° horizontally, 70° downwards, wall-wash reverse 180°	1.8 to 2.5mt	230V AC, 50-60Hz, 10A
Single, 10W, 840 lm, service life L80/B10/50 000 h	180° / head-on 3.5mt / diagonally 10mt + creep under	Adj light +/- 40° horizontally, 70° downwards, wall-wash reverse 180°	1.8 to 2.5mt	230V AC, 50-60Hz, 10A
Dual, 10W, 840 lm each, service life L80/B10/50 000 h	180° / head-on 3.5mt / diagonally 10mt + creep under	Adj light +/- 20° horizontally, 70° downwards	1.8 to 2.5mt	230V AC, 50-60Hz, 10A
Dual, 10W, 840 lm each, service life L80/B10/50 000 h	180° / head-on 3.5mt / diagonally 10mt + creep under	Adj light +/- 20° horizontally, 70° downwards	1.8 to 2.5mt	230V AC, 50-60Hz, 10A
Single, 10W, 840 lm, service life L80/B10/50 000 h	-	Adj light +/- 40° horizontally, 70° downwards, wall-wash reverse 180°	1.8 to 2.5mt	230V AC, 50-60Hz, 10A
Single, 10W, 840 lm, service life L80/B10/50 000 h	-	Adj light +/- 40° horizontally, 70° downwards, wall-wash reverse 180°	1.8 to 2.5mt	230V AC, 50-60Hz, 10A
Dual, 10W, 840 lm each, service life L80/B10/50 000 h	-	Adj light +/- 20° horizontally, 70° downwards	1.8 to 2.5mt	230V AC, 50-60Hz, 10A
Dual, 10W, 840 lm each, service life L80/B10/50 000 h	-	Adj light +/- 20° horizontally, 70° downwards	1.8 to 2.5mt	230V AC, 50-60Hz, 10A
-	-	-	-	-
-	-	-	-	-
-	-	-	-	-
-	-	-	-	-



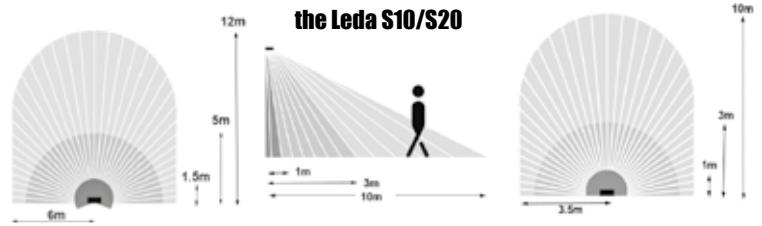
A range of Detection Levels

Code	Name	Detection & Range
1020941 / 1020942	theLeda P12 WH or AL	180 degrees / 12m
1020943 / 1020944	theLeda P24 WH or AL	180 degrees / 12m
1020921 / 1020922	theLeda S10 WH or BK	180 degrees / 10m
1020923 / 1020924	theLeda S20 WH or BK	180 degrees / 10m
1010605 / 1010606	theLuxa P220 WH or BK	220 degrees / 16m
1010610 / 1010611	theLuxa P300 WH or BK	300 degrees / 16m
1010200 / 1010201	theLuxa R180 WH or BK	180 degrees / 12m
1010500 / 1010501	theLuxa S150 WH or BK	150 degrees / 12m
1010505 / 1010506	theLuxa S180 WH or BK	180 degrees / 12m
1010510 / 1010511	theLuxa S360 WH or BK	360 degrees / 16m

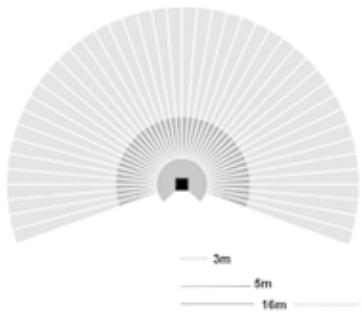
theLeda P12 / P24



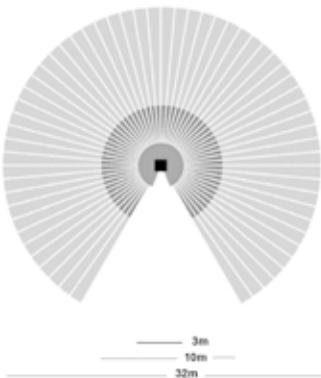
the Leda S10/S20



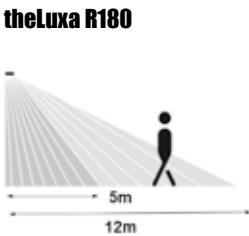
theLuxa P220



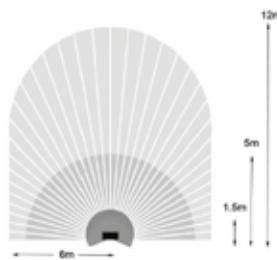
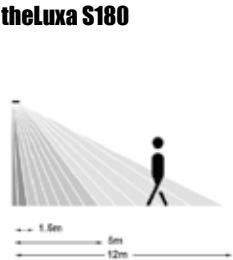
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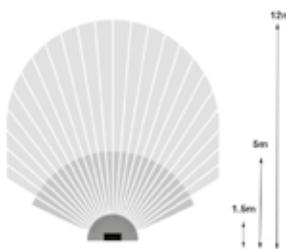
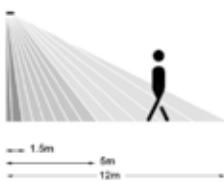
theLuxa R180



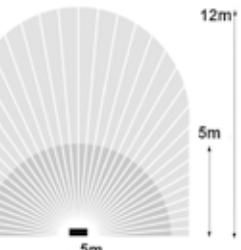
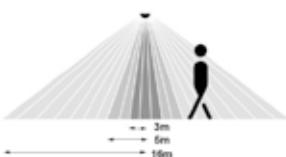
theLuxa S180



the Luxa S150



theLuxa S360



theben
energy saving comfort

LED Spotlights - theLeda E, Economy Series

- LED spotlight with or without PIR motion detection sensor.
- Suitable for outdoor use, IP55 - wall mountable.
- Settings can be changed without tools.
- High quality European styled design, made in Germany.
- PIR motion detector series - automatic lighting control based on presence and brightness.
- Area limit via stickers.
- Adjustable lux value and switch-off delay.
- Manual switching on possible.
- Optional purely twilight-dependent control.

HAMER CODE	BRAND	CAT. CODE	MODEL / COLOUR	TYPE	IP RATING
1020911	Theben	1020911	theLeda E10WH, white	LED spotlight with motion detector (PIR)	IP55
1020912	Theben	1020912	theLeda E10BK, black	LED spotlight with motion detector (PIR)	IP55
1020913	Theben	1020913	theLeda E20WH, white	LED spotlight with motion detector (PIR)	IP55
1020914	Theben	1020914	theLeda E20BK, black	LED spotlight with motion detector (PIR)	IP55
1020915	Theben	1020915	theLeda E30WH, white	LED spotlight with motion detector (PIR)	IP55
1020916	Theben	1020916	theLeda E30BK, black	LED spotlight with motion detector (PIR)	IP55
1020711	Theben	1020711	theLeda E10LWH, white	LED spotlight	IP55
1020712	Theben	1020712	theLeda E10LBK, black	LED spotlight	IP55
1020713	Theben	1020713	theLeda E20LWH, white	LED spotlight	IP55
1020714	Theben	1020714	theLeda E20LBK, black	LED spotlight	IP55
1020715	Theben	1020715	theLeda E30LWH, white	LED spotlight	IP55
1020716	Theben	1020716	theLeda E30LBK, black	LED spotlight	IP55



1020912



1020913



1020916



1020711



1020714



1020715

LED LIGHT	DETECTION RANGE	FEATURES	MOUNTING	POWER
Single, 10W, 750 lm, service life L80/B10/50 000 h	180° / head-on 4mt / diagonally 12mt	Adj light +/- 45° upwards, 60° downwards, sensor +/- 90° horizontally & downwards	2 to 4mt	230V AC, 50-60Hz
Single, 10W, 685 lm, service life L80/B10/50 000 h	180° / head-on 4mt / diagonally 12mt	Adj light +/- 45° upwards, 60° downwards, sensor +/- 90° horizontally & downwards	2 to 4mt	230V AC, 50-60Hz
Single, 20W, 1325 lm, service life L80/B10/50 000 h	180° / head-on 4mt / diagonally 12mt	Adj light +/- 45° upwards, 60° downwards, sensor +/- 90° horizontally & downwards	2 to 4mt	230V AC, 50-60Hz
Single, 20W, 1260 lm, service life L80/B10/50 000 h	180° / head-on 4mt / diagonally 12mt	Adj light +/- 45° upwards, 60° downwards, sensor +/- 90° horizontally & downwards	2 to 4mt	230V AC, 50-60Hz
Single, 30W, 2310 lm, service life L80/B10/50 000 h	180° / head-on 4mt / diagonally 12mt	Adj light +/- 45° upwards, 60° downwards, sensor +/- 90° horizontally & downwards	2 to 4mt	230V AC, 50-60Hz
Single, 30W, 2115 lm, service life L80/B10/50 000 h	180° / head-on 4mt / diagonally 12mt	Adj light +/- 45° upwards, 60° downwards, sensor +/- 90° horizontally & downwards	2 to 4mt	230V AC, 50-60Hz
Single, 10W, 750 lm, service life L80/B10/50 000 h	-	Adj light +/- 45° upwards, 60° downwards	2 to 4mt	230V AC, 50-60Hz
Single, 10W, 685 lm, service life L80/B10/50 000 h	-	Adj light +/- 45° upwards, 60° downwards	2 to 4mt	230V AC, 50-60Hz
Single, 20W, 1325 lm, service life L80/B10/50 000 h	-	Adj light +/- 45° upwards, 60° downwards	2 to 4mt	230V AC, 50-60Hz
Single, 20W, 1260 lm, service life L80/B10/50 000 h	-	Adj light +/- 45° upwards, 60° downwards	2 to 4mt	230V AC, 50-60Hz
Single, 30W, 2310 lm, service life L80/B10/50 000 h	-	Adj light +/- 45° upwards, 60° downwards	2 to 4mt	230V AC, 50-60Hz
Single, 30W, 2115 lm, service life L80/B10/50 000 h	-	Adj light +/- 45° upwards, 60° downwards	2 to 4mt	230V AC, 50-60Hz

Outdoor Sensors - theLuxa 'P' Premier Series

- Theben theLuxa Premier series motion detectors (PIR).
- For larger areas, commercial outdoor properties such as offices, public buildings, hotels, schools, car parks and warehouses.
- Automatic lighting control based on presence and brightness.
- For outdoor use - IP55 rated.
- Installation on walls and ceilings/soffit.
- Single-handed plug-in installation.
- Adjustable brightness switching value and switch-off delay.
- Sensitivity can be reduced to limit detection area.
- Area limit via lens attachment.

- Mixed light measurement suitable for the control of fluorescent, incandescent, halogen lamps and LEDs.
- Teach-in of current brightness value possible.
- Pulse function.
- Test function for checking detection area.
- Installation on flush-mounted socket possible (60 mm).
- Instant start-up possible via factory preset.
- Controls are place protected.
- Terminal for protective earth conductor.
- 1010610 + 1010611 include spacer and corner angle in delivery.

HAMER CODE	BRAND	CAT. CODE	MODEL / COLOUR	TYPE	DETECTION RANGE
1010605	Theben	1010605	theLuxa P220 WH, white	Motion detector (PIR)	220° circular / head-on 5mt / diagonally 16mt + creep under
1010606	Theben	1010606	theLuxa P220 BK, black	Motion detector (PIR)	220° circular / head-on 5mt / diagonally 16mt + creep under
1010610	Theben	1010610	theLuxa P300 WH, white	Motion detector (PIR)	300° circular / head-on 5mt / diagonally 16mt + creep under
1010611	Theben	1010611	theLuxa P300 BK, black	Motion detector (PIR)	300° circular / head-on 5mt / diagonally 16mt + creep under



1010605



1010611

IP RATING	SENSOR	SETTING RANGE BRIGHTNESS	LIGHT SWITCH-OFF DELAY	MOUNTING	POWER	LED LAMP LOAD >2 W
IP55	Adj sensor +/- 90° horizontally, 45° downwards, 90° upwards	5 - 1000 lx	1sec to 20 min	2 to 4 mt	230V AC, 50Hz	600 W
IP55	Adj sensor +/- 90° horizontally, 45° downwards, 90° upwards	5 - 1000 lx	1sec to 20 min	2 to 4 mt	230V AC, 50Hz	600 W
IP55	Adj sensor +/- 90° horizontally, 45° downwards, 90° upwards	5 - 1000 lx	1sec to 20 min	2 to 4 mt	230V AC, 50Hz, 10A	600 W
IP55	Adj sensor +/- 90° horizontally, 45° downwards, 90° upwards	5 - 1000 lx	1sec to 20 min	2 to 4 mt	230V AC, 50Hz, 10A	600 W

Outdoor Sensors - theLuxa 'R' Robust Tamper Protection Wall Series

- Theben theLuxa 'R' robust tamper protection series motion detectors (PIR).
- Protection from tampering thanks to the robust case design that covers the operating controls under the secured front cover.
- For larger sensitive areas prone to possible unwanted setting changes, commercial outdoor properties such as offices, public buildings, hotels, schools, car parks and warehouses.
- Automatic lighting control based on presence and brightness.
- For outdoor use - IP55 rated.
- Wall mounted stylish unobtrusive design.
- Single-handed plug-in installation.
- Zero-cross switching for relay-saving switching and high lamp loads.
- Adjustable brightness switching value and switch-off delay.
- Area limit via lens attachment.
- Mixed light measurement suitable for the control of fluorescent, incandescent, halogen lamps and LEDs.
- Test function for checking detection area.
- Installation on flush-mounted socket possible (60 mm).
- Instant start-up possible via factory preset.
- Terminal for protective earth conductor.

HAMER CODE	BRAND	CAT. CODE	MODEL / COLOUR	TYPE	DETECTION RANGE
1010200	Theben	1010200	theLuxa R180 WH, white	Motion detector (PIR)	180° semi circular / head-on 2x4mt / diagonally 3x12mt
1010201	Theben	1010201	theLuxa R180 BK, black	Motion detector (PIR)	180° semi circular / head-on 2x4mt / diagonally 3x12mt



1010200



1010201

IP RATING	SETTING RANGE BRIGHTNESS	LIGHT SWITCH-OFF DELAY	MOUNTING	POWER	LED LAMP LOAD >2 W	LED LAMP LOAD >2 W
IP55	2 - 200 lx	2 sec to 30 min	2.5 to 4mt	230V AC, 50/60Hz, 10A	500 W	600 W
IP55	2 - 200 lx	2 sec to 30 min	2.5 to 4mt	230V AC, 50/60Hz, 10A	500 W	600 W

Outdoor Sensors - theLuxa 'S' Standard Series

- Theben theLuxa 'S' standard series motion detectors (PIR).
- For general use around the home or office.
- Automatic lighting control based on presence and brightness.
- For outdoor use - IP55 rated.
- Wall mounted S150 & S180 models or wall, ceiling/ soffit mounted S360 models.
- Additional creep under protection.
- Sensor head can be turned by $\pm 90^\circ$ horizontally and by 30° downwards.
- Adjustable brightness switching value and switch-off delay.
- Mixed light measurement suitable for the control of fluorescent, incandescent, halogen lamps and LEDs.

- Zero-cross switching for relay-saving switching and high lamp loads.
- Teach-in of current brightness value possible.
- Pulse function.
- Test function for checking detection area.
- Installation on flush-mounted socket possible (60 mm).
- Single-handed plug-in installation.
- Instant start-up possible via factory preset.
- Controls are place protected.
- Terminal for protective earth conductor.

HAMER CODE	BRAND	CAT. CODE	MODEL / COLOUR	TYPE	DETECTION RANGE
1010500	Theben	1010500	theLuxa S150 WH, white	Motion detector (PIR)	150° semi circular / head-on 5x5mt / diagonally 6x12mt + creep under
1010501	Theben	1010501	theLuxa S150 BK, black	Motion detector (PIR)	150° semi circular / head-on 5x5mt / diagonally 6x12mt + creep under
1010505	Theben	1010505	theLuxa S180 WH, white	Motion detector (PIR)	180° semi circular / head-on 5x5mt / diagonally 6x12mt + creep under
1010506	Theben	1010506	theLuxa S180 BK, black	Motion detector (PIR)	180° semi circular / head-on 5x5mt / diagonally 6x12mt + creep under
1010510	Theben	1010510	theLuxa S360 WH, white	Motion detector (PIR)	360° circular / head-on 5mt / diagonally 16mt + creep under
1010511	Theben	1010511	theLuxa S360 BK, black	Motion detector (PIR)	360° circular / head-on 5mt / diagonally 16mt + creep under



1010501



1010505



1010511

IP RATING	SENSOR	SETTING RANGE BRIGHTNESS	LIGHT SWITCH-OFF DELAY	MOUNTING	POWER	LED LAMP LOAD >2 W
IP55	Adj sensor ± 90° horizontally and by 30° downwards	5 - 1000 lx	1sec to 20 min	2 to 4 mt	230V AC, 50Hz, 10A	200 W
IP55	Adj sensor ± 90° horizontally and by 30° downwards	5 - 1000 lx	1sec to 20 min	2 to 4 mt	230V AC, 50Hz, 10A	200 W
IP55	Adj sensor ± 90° horizontally and by 30° downwards	5 - 1000 lx	1sec to 20 min	2 to 4 mt	230V AC, 50Hz, 10A	200 W
IP55	Adj sensor ± 90° horizontally and by 30° downwards	5 - 1000 lx	1sec to 20 min	2 to 4 mt	230V AC, 50Hz, 10A	200 W
IP55	Adj sensor +/- 90° horizontally, 45° downwards, 90° upwards	5 - 1000 lx	1sec to 20 min	2 to 4 mt	230V AC, 50Hz, 10A	200 W
IP55	Adj sensor +/- 90° horizontally, 45° downwards, 90° upwards	5 - 1000 lx	1sec to 20 min	2 to 4 mt	230V AC, 50Hz, 10A	200 W

Outdoor Sensors - theLuxa 'E' Economy Series

- Theben theLuxa 'E' economical series motion detectors (PIR).
- For general light duty loads around the home.
- Automatic lighting control based on presence and brightness.
- For outdoor use - IP55 rated.
- Wall mounted.
- Sensor head can be turned by ± 90° horizontally and by 30° downwards/upwards.

- Adjustable brightness switching value and switch-off delay.
- Mixed light measurement suitable for the control of fluorescent, incandescent, halogen lamps and LEDs.
- Area limit via stickers.
- Test function for checking detection area.
- Single-handed plug-in installation.

HAMER CODE	BRAND	CAT. CODE	MODEL / COLOUR	TYPE	DETECTION RANGE
1010205	Theben	1010205	theLuxa E180 WH, white	Motion detector (PIR)	180° semi circular / head-on 2x4mt / diagonally 3x12mt
1010206	Theben	1010206	theLuxa E180 BK, black	Motion detector (PIR)	180° semi circular / head-on 2x4mt / diagonally 3x12mt



1010205



1010206

IP RATING	SENSOR	SETTING RANGE BRIGHTNESS	LIGHT SWITCH-OFF DELAY	MOUNTING	POWER	LED LAMP LOAD >2 W
IP55	Adj sensor ± 90° horizontally and by 15° upwards / 30° downwards	5 - 1000 lx	5 sec to 15 min	2 to 4 mt	230V AC, 50Hz, 10A	150 W
IP55	Adj sensor ± 90° horizontally and by 15° upwards / 30° downwards	5 - 1000 lx	5 sec to 15 min	2 to 4 mt	230V AC, 50Hz, 10A	150 W

Indoor Sensors - LUXA 103 Series

- Theben LUXA 103 indoor series motion detectors (PIR).
- For general light duty loads around the home or office.
- Automatic lighting control based on presence and brightness.
- For indoor use.
- Adjustable brightness switching value and switch-off delay.
- Mixed light measurement suitable for the control of fluorescent, incandescent, halogen lamps and LEDs.
- Test function for checking detection area.
- 2 channel options for HVAC operations.



1030012

HAMER CODE	BRAND	CAT. CODE	MODEL / COLOUR	TYPE	DETECTION RANGE	IP RATING
1030012	Theben	1030012	LUXA 103-100 DE WH, white	Ceiling motion detector (PIR) flush mount	360° circular / head-on 4mt / diagonally 7mt	IP44 (sensor) IP20 (power module)
1030013	Theben	1030013	LUXA 103-101 DE WH, white	Ceiling motion detector (PIR) flush mount	360° circular / head-on 4mt / diagonally 7mt	IP44 (sensor) IP20 (power module)
1030022	Theben	1030022	LUXA 103-100 AP WH, white	Ceiling motion detector (PIR) surface mount	360° circular / head-on 4mt / diagonally 7mt	IP44
1030023	Theben	1030023	LUXA 103-101 AP WH, white	Ceiling motion detector (PIR) surface mount	360° circular / head-on 4mt / diagonally 7mt	IP44
1030045	Theben	1030045	LUXA 103-100 UA WH, white	Ceiling motion detector (PIR) with microphone, flush mount	360° circular / head-on 6mt / diagonally 12mt + acoustic	IP40
1030030	Theben	1030030	LUXA 103-200, white	Wall motion detector (PIR) flush mount	200° circular / head-on 3.5mt / diagonally 8mt	IP40



1030022



1030045



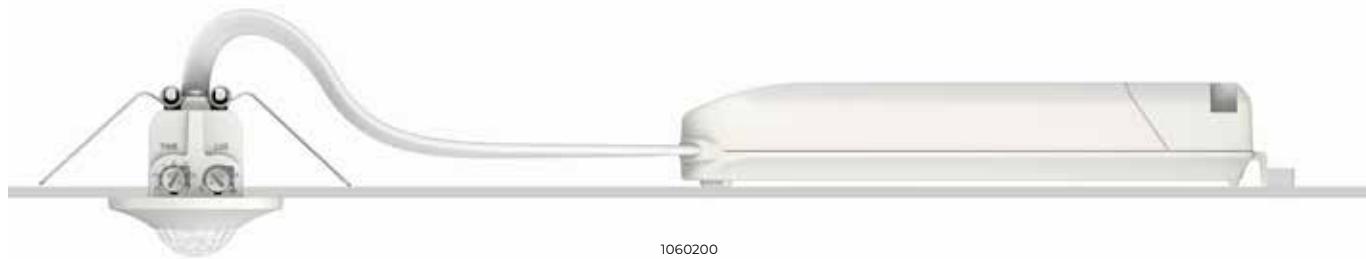
1030030

FEATURES	SETTING RANGE BRIGHTNESS	LIGHT SWITCH- OFF DELAY	MOUNTING	SIZE / CUT OUT	POWER	LED LAMP LOAD >2 W
1ch, zero-cross switching, sensor adjustable downwards by 45° in 15° stages	10 – 2000 lx	5 sec to 30 min	2 to 3 mt	105.6mm Ø / 80mm Ø cut out	230V AC, 50-60Hz, 10A	400 W
2ch HVAC, zero-cross switching, sensor adjustable downwards by 45° in 15° stages	10 – 2000 lx	5 sec to 30 min	2 to 3 mt	105.6mm Ø / 80mm Ø cut out	230V AC, 50-60Hz, 10A	400 W
1ch, zero-cross switching, single-handed plug-in installation	10 – 2000 lx	5 sec to 30 min	2 to 3 mt	115mm Ø	230V AC, 50-60Hz, 10A	400 W
2ch, HVAC, zero-cross switching, single-handed plug-in installation	10 – 2000 lx	5 sec to 30 min	2 to 3 mt	115mm Ø	230V AC, 50-60Hz, 10A	400 W
1ch, zero-cross switching, with acoustic function	10 – 2000 lx	5 sec to 30 min	2 to 3 mt	124.8mm Ø / 65mm Ø cut out	230V AC, 50-60Hz, 10A	400 W
1ch, detection area can be limited through a lens attachment	10 – 1000 lx	20 sec to 30 min	1.2 to 2 mt	80 x 80mm / 50 x 50mm cut out	230V AC, 50Hz, 10A	

Indoor Sensors - thePiccola S360 Series

- Theben thePiccola S360 indoor series motion detectors (PIR).
- For general light duty loads around the home or office.
- Automatic lighting control based on presence and brightness.
- For indoor use.
- Mixed light measurement suitable for fluorescent lamps (FL/PL/ESL), halogen/incandescent lamps and LEDs.
- Channel A light: relay, 230 V.

- Operation as fully automatic device.
- Brightness switching value configurable, teach-in function.
- Pulse function for staircase light time switch.
- Time delay configurable.
- Extension of detection area via master/slave switching.
- Test mode for checking function and detection area.
- Ready for immediate use due to factory presetting.



1060200

HAMER CODE	BRAND	CAT. CODE	MODEL / COLOUR	TYPE	DETECTION RANGE	IP RATING
1060200	Theben	1060200	thePiccola S360-100 DE WH, white	Ceiling motion detector (PIR) flush mount	360° circular / head-on 2mt / diagonally 8mt	IP21 (sensor) IP20 (power module)

FEATURES	SETTING RANGE BRIGHTNESS	LIGHT SWITCH-OFF DELAY	MOUNTING	SIZE / CUT OUT	POWER	LED LAMP LOAD >2 W
1ch, teach-in and pulse functions	5 – 1000 lx	30 sec to 30 min	2 to 4mt	44mm Ø / 36mm Ø cut out	110 - 240V AC, 50-60Hz, 10A	180 W



European Styled Intelligent Lighting

**theLeda S10 & S20
LED Spotlights with
Integrated PIR Sensor**

IP55!



theLeda S10 White or Black

theLeda S20 Black or White

theben
energy saving comfort

Indoor Sensors - theMova S360 Series

- Theben theMova S360 indoor series motion detectors (PIR).
- For high ceiling mounting areas around the home or office.
- Automatic lighting control based on presence and brightness.
- For indoor use.
- Mixed light measurement suitable for fluorescent lamps (FL/PL/ESL), halogen/incandescent lamps and LEDs.
- Channel A light: relay, 230 V.

- Operation as fully automatic device.
- Brightness switching value configurable, teach-in function.
- Pulse function for staircase light time switch.
- Time delay configurable.
- Extension of detection area via master/slave switching.
- Test mode for checking function and detection area.
- Ready for immediate use due to factory presetting.

HAMER CODE	BRAND	CAT. CODE	MODEL / COLOUR	TYPE	DETECTION RANGE	IP RATING
1030550	Theben	1030550	theMova S360-100 AP WH, white	Ceiling motion detector (PIR) surface mount	360° circular / head-on 4mt / diagonally 9mt	IP54
1030555	Theben	1030555	theMova S360-101 AP WH, white	Ceiling motion detector (PIR) surface mount	360° circular / head-on 4mt / diagonally 9mt	IP54
1030560	Theben	1030560	theMova S360-100 DE WH, white	Ceiling motion detector (PIR) flush mount	360° circular / head-on 4mt / diagonally 9mt	IP40
1030565	Theben	1030565	theMova S360-101 DE WH, white	Ceiling motion detector (PIR) flush mount	360° circular / head-on 4mt / diagonally 9mt	IP40
1030600	Theben	1030600	theMova P360-100 UP WH, white	Ceiling motion detector (PIR) flush mount	360° circular / head-on 8mt / diagonally 25mt	IP40



1030550



1030560



1030600

FEATURES	SETTING RANGE BRIGHTNESS	LIGHT SWITCH- OFF DELAY	MOUNTING	SIZE / CUT OUT	POWER	LED LAMP LOAD >2 W
1ch, teach-in and pulse functions	30 – 3000 lx	10 sec to 60 min	1.8 to 4mt	96.4mm Ø	230V AC, 50Hz, 10A	70 W
2ch / HVAC, teach-in and pulse functions	30 – 3000 lx	10 sec to 60 min	1.8 to 4mt	96.4mm Ø	230V AC, 50Hz, 10A	70 W
Teach-in and pulse functions, 1ch for light	30 – 3000 lx	10 sec to 60 min	1.8 to 4mt	85mm Ø / 60mm Ø cut out	230V AC, 50Hz, 10A	70 W
Teach-in and pulse functions, 2ch for light/HVAC	30 – 3000 lx	10 sec to 60 min	1.8 to 4mt	85mm Ø / 60mm Ø cut out	230V AC, 50Hz, 10A	70 W
Teach-in and pulse functions, 1ch for light	30 – 3000 lx	10 sec to 60 min	1.8 to 10mt	110mm Ø / 60mm Ø cut out	110 - 230V AC, 50 - 60Hz	180 W

Motion Sensor Accessories - Corner Angle Brackets

- Theben corner angle mounting bracket accessories for corner mounting of Theben motion sensors and motion sensor lights.
- Can be used for either internal or external wall corners.

HAMER CODE	BRAND	CAT. CODE	TYPE	MODEL	COLOUR	FITS MODELS
9070902	Theben	9070902	Corner angle bracket	Corner angle theLuxa S WH	White	theLuxa S150 WH, theLuxa S180 WH, theLuxa S360 WH
9070903	Theben	9070903	Corner angle bracket	Corner angle theLuxa S BK	Black	theLuxa S150 BK, theLuxa S180 BK, theLuxa S360 BK
9070904	Theben	9070904	Corner angle bracket	Corner angle theLuxa P WH	White	theLuxa P220 WH, theLuxa P300 WH
9070905	Theben	9070905	Corner angle bracket	Corner angle theLuxa P BK	Black	theLuxa P220 BK, theLuxa P300 BK
9070969	Theben	9070969	Corner angle bracket	Corner angle 10 WH	White	theLuxa R180 WH, theLeda S10 WH, theLeda S20 WH, theLeda P12 WH, theLeda P24 WH
9070970	Theben	9070970	Corner angle bracket	Corner angle 10 AL	Aluminium	theLeda P12 AL, theLeda P24 AL
9070987	Theben	9070987	Corner angle bracket	Corner angle 10 BK	Black	theLuxa R180 BK, theLeda S10 BK, theLeda S20 BK



9070903



9070904

Motion Sensor Accessories - Spacer Adapters

- Theben spacer adapter accessories for extra depth if required when installing Theben motion sensors and motion sensor lights.
- Handy for motion sensor lighting with "wall-wash" feature.

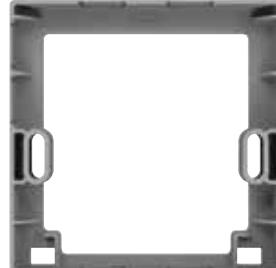
HAMER CODE	BRAND	CAT. CODE	TYPE	MODEL	COLOUR	FITS MODELS
9070906	Theben	9070906	Spacer adapter	Spacer theLuxa S WH	White	theLuxa S150 WH, theLuxa S180 WH, theLuxa S360 WH
9070907	Theben	9070907	Spacer adapter	Spacer theLuxa S BK	Black	theLuxa S150 BK, theLuxa S180 BK, theLuxa S360 BK
9070908	Theben	9070908	Spacer adapter	Spacer theLuxa P WH	White	theLuxa P220 WH, theLuxa P300 WH
9070909	Theben	9070909	Spacer adapter	Spacer theLuxa P BK	Black	theLuxa P220 BK, theLuxa P300 BK
9070971	Theben	9070971	Spacer adapter	Spacer 10 WH	White	theLuxa R180 WH, theLeda S10 WH, theLeda S20 WH, theLeda P12 WH, theLeda P24 WH
9070972	Theben	9070972	Spacer adapter	Spacer 10 AL	Aluminium	theLeda P12 AL, theLeda P24 AL
9070988	Theben	9070988	Spacer adapter	Spacer 10 BK	Black	theLuxa R180 BK, theLeda S10 BK, theLeda S20 BK



9070906



9070908



9070972

Flash Timers - Industrial & Commercial



 Flash



Quality, Reliable | Digital & Analogue Time Switches by Flash

HAMER CODE	CAT. CODE	PAGE
770033	770033	20
1010200	1010200	46
1010201	1010201	46
1010205	1010205	50
1010206	1010206	50
1010500	1010500	48
1010501	1010501	48
1010505	1010505	48
1010506	1010506	48
1010510	1010510	48
1010511	1010511	48
1010605	1010605	44
1010606	1010606	44
1010610	1010610	44
1010611	1010611	44
1020711	1020711	42
1020712	1020712	42
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1020741	1020741	36
1020742	1020742	36

HAMER CODE	CAT. CODE	PAGE
1020743	1020743	36
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1020911	1020911	42
1020912	1020912	42
1020913	1020913	42
1020914	1020914	42
1020915	1020915	42
1020916	1020916	42
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1020922	1020922	38
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1020924	1020924	38
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1020942	1020942	36
1020943	1020943	36
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1030012	1030012	52
1030013	1030013	52
1030022	1030022	52
1030023	1030023	52
1030030	1030030	52
1030045	1030045	52
1030550	1030550	56
1030555	1030555	56
1030560	1030560	56
1030565	1030565	56
1030600	1030600	56

HAMER CODE	CAT. CODE	PAGE
1060200	1060200	54
1080700	1080700	24
1080710	1080710	24
1090100	1090100	24
1090200	1090200	24
1100100	1100100	24
1100200	1100200	24
1104100	1104100	24
1104200	1104200	24
1110100	1110100	26
1110200	1110200	26
1120100	1120100	26
1120200	1120200	26
1200100	1200100	28
1200200	1200200	28
1210100	1210100	30
1210200	1210200	30
1220100	1220100	30
1220200	1220200	30
1260700	1260700	32
1270700	1270700	32
1280700	1280700	32
1290700	1290700	32
1510011	1510011	18
1600001	1600001	18
1610011	1610011	18
1690801	1690801	16

HAMER CODE	CAT. CODE	PAGE
1700130	1700130	6
1740130	1740130	6
1800001	1800001	18
1810011	1810011	18
1814011	1814011	18
1890801	1890801	16
1891801	1891801	16
1900001	1900001	18
2690008	2690008	16
2890008	2890008	16
2890033	2890033	16
6080101	6080101	8
6090101	6090101	10
6100110	6100110	8
6100130	6100130	6
6104100	6104100	8
6110103	6110103	10
6114100	6114100	10
6120103	6120103	8
6120130	6120130	6
6124100	6124100	8
6220103	6220103	10
6224100	6224100	10
6350100	6350100	10
6360100	6360100	10
6410100	6410100	12
6410300	6410300	12

HAMER CODE	CAT. CODE	PAGE
6420100	6420100	12
6420300	6420300	12
6424300	6424300	12
6440100	6440100	12
6490104	6490104	23
6490900	6490900	23
9070001	9070001	22
9070008	9070008	34
9070011	9070011	34
9070049	9070049	22
9070050	9070050	22
9070053	9070053	22
9070064	9070064	22
9070065	9070065	22
9070071	9070071	22
9070130	9070130	6
9070130	9070130	23
9070404	9070404	23
9070409	9070409	23
9070410	9070410	23
9070415	9070415	34
9070456	9070456	34
9070610	9070610	23
9070892	9070892	23
9070902	9070902	58
9070903	9070903	58
9070904	9070904	58

HAMER CODE	CAT. CODE	PAGE
9070905	9070905	58
9070906	9070906	59
9070907	9070907	59
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9070969	9070969	36
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9070971	9070971	38
9070971	9070971	59
9070972	9070972	36
9070972	9070972	59
9070987	9070987	38
9070987	9070987	58
9070988	9070988	38
9070988	9070988	59
FT282	16022	16
FT286	16021	16
FT287	16401	16
FT602	13302	18
FT789	10002	18
FT792	20701	8
FT793	20702	8

CAT. CODE	HAMER CODE	PAGE
10002	FT789	18
13302	FT602	18
16021	FT286	16
16022	FT282	16
16401	FT287	16
20701	FT792	8
20702	FT793	8
770033	770033	20
1010200	1010200	46
1010201	1010201	46
1010205	1010205	50
1010206	1010206	50
1010500	1010500	48
1010501	1010501	48
1010505	1010505	48
1010506	1010506	48
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1020711	1020711	42
1020712	1020712	42
1020713	1020713	42
1020714	1020714	42
1020715	1020715	42

CAT. CODE	HAMER CODE	PAGE
1020716	1020716	42
1020721	1020721	38
1020722	1020722	38
1020723	1020723	38
1020724	1020724	38
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1030012	1030012	52
1030013	1030013	52
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1030023	1030023	52

CAT. CODE	HAMER CODE	PAGE
1030030	1030030	52
1030045	1030045	52
1030550	1030550	56
1030555	1030555	56
1030560	1030560	56
1030565	1030565	56
1030600	1030600	56
1060200	1060200	54
1080700	1080700	24
1080710	1080710	24
1090100	1090100	24
1090200	1090200	24
1100100	1100100	24
1100200	1100200	24
1104100	1104100	24
1104200	1104200	24
1110100	1110100	26
1110200	1110200	26
1120100	1120100	26
1120200	1120200	26
1200100	1200100	28
1200200	1200200	28
1210100	1210100	30
1210200	1210200	30
1220100	1220100	30
1220200	1220200	30
1260700	1260700	32

CAT. CODE	HAMER CODE	PAGE
1270700	1270700	32
1280700	1280700	32
1290700	1290700	32
1510011	1510011	18
1600001	1600001	18
1610011	1610011	18
1690801	1690801	16
1700130	1700130	6
1740130	1740130	6
1800001	1800001	18
1810011	1810011	18
1814011	1814011	18
1890801	1890801	16
1891801	1891801	16
1900001	1900001	18
2690008	2690008	16
2890008	2890008	16
2890033	2890033	16
6080101	6080101	8
6090101	6090101	10
6100110	6100110	8
6100130	6100130	6
6104100	6104100	8
6110103	6110103	10
6114100	6114100	10
6120103	6120103	8
6120130	6120130	6

CAT. CODE	HAMER CODE	PAGE
6124100	6124100	8
6220103	6220103	10
6224100	6224100	10
6350100	6350100	10
6360100	6360100	10
6410100	6410100	12
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6420100	6420100	12
6420300	6420300	12
6424300	6424300	12
6440100	6440100	12
6490104	6490104	23
6490900	6490900	23
9070001	9070001	22
9070008	9070008	34
9070011	9070011	34
9070049	9070049	22
9070050	9070050	22
9070053	9070053	22
9070064	9070064	22
9070065	9070065	22
9070071	9070071	22
9070130	9070130	6
9070130	9070130	23
9070404	9070404	23
9070409	9070409	23
9070410	9070410	23

CAT. CODE	HAMER CODE	PAGE
9070415	9070415	34
9070456	9070456	34
9070610	9070610	23
9070892	9070892	23
9070902	9070902	58
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9070904	9070904	58
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9070972	9070972	36
9070972	9070972	59
9070987	9070987	38
9070987	9070987	58
9070988	9070988	38
9070988	9070988	59

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