

BUILDING AUTOMATION
CONTROL TECHNOLOGY
SENSOR TECHNOLOGY

alre



FLUSH-MOUNTED RANGE

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Mechanical room temperature regulator FTR



Technical data

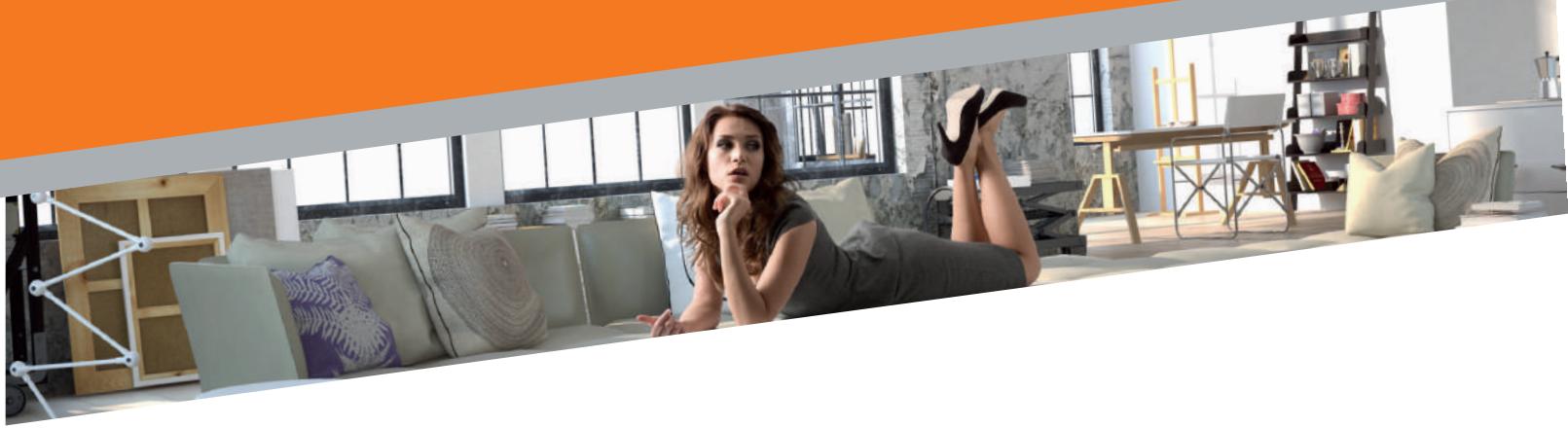
Operation voltage:	230 V ~ ; 24 V ~/50 Hz
Sensor:	Bi-Metal
Switching capacity (break contact):	10 (4) A/230 V or 13 (4) A/230 V , 1 (1) A/24 V
Switching capacity (change over contact):	5 (2) A/230 V, 1 (1) A/24 V
Setting ranges:	5 ... 30 °C (note numeral scale * ... 6)
Switching differences:	approx. 0.5 K for a temperature change of up to 4 K/h
Type:	several different versions (Pict. FTR 101.062#21)
Equipment:	break contact, change-over contact, temperature decrease, "ON/OFF" switch, "Decrease/Heating/Decrease via external timer" 3-stage switch, "Heating-Cooling" switch, "Heating" light, "ON/OFF" light, "Decrease" light, mechanical range suppression, insulated cover, protective cap
Application:	control or supervision of temperatures in closed rooms
Indicators (LED):	"Heating" light, "ON/OFF" light, "Decrease" light
Cover versions:	50 x 50 mm and 55 x 55 mm (colours similar to RAL 9010, 1013 or 9016/glossy or matte), special colours anthracite and aluminum

Electronic room or floor temperature regulator with timer HTRRUu



Technical data

Operation voltage:	230 V ~, 50 Hz
Sensor (self-monitoring):	NTC – internal NTC – can be externally connected
Schaltvermögen:	10 (2) A/230 V ~
Switching differences:	<1 K
Setting ranges:	5 ... 30 °C for room temperature regulation 10 ... 42 °C for floor temperature regulation
Temperature decrease:	adjustable 5 ... 29 °C (factory setting 17 °C)
Display:	illuminated graphical display (with "Heating" LED)
Type:	several different versions (Pict. HTRRUu-210.021#21)
Application:	flush-mounted controller for timer-controlled regulation of individual room or floor temperatures in electric or warm water heating systems (normally-closed valves). The appliance can also be used as a straightforward room temperature regulator; in conjunction with an optional remote sensor as a room temperature regulator with floor temperature monitoring, or as a floor temperature regulator (remote sensor not included in delivery)
Cover versions:	50 x 50 mm, 55 x 55 mm, BUSCH-JAEGER Reflex SI/SI Linear (colours similar to RAL 9010, 1013 or 9016/glossy or matte)



Electronic climate controllers for cooling ceilings KTRRU, also with remote sensors



Technical data

Operation voltage:	24 V ~, 50 Hz/24 V = Safety extra low voltage
Sensor:	internal NTC, TP sensor, external temperature or radiative temperature sensor STF-2
Switching capacity:	1 A/24 V ~
Setting ranges:	21 °C ± 8 K (threshold arrow red/blue)
Switching differences:	heating: < 1 K/Cooling: < 2 K
Neutral zone:	approx. 2 K fixed
ECO zone:	± 3 K fixed setting
Type:	several different versions (Pict. KTRRU-052.245#21)
Indicators (LED):	red = heating/blue = cooling; yellow = cooling mode interruption through the condensation of moisture; yellow (switch in position "OFF") = anti-frost triggering
Equipment:	mechanical range suppression, "OFF (ForceClose)/Day/ECO" switch Frost protection ensured in the OFF position
Application:	for the control of the heating and cooling operations executed by 2- and 4-pipe systems in hotel and living rooms and business premises
Cover versions:	50 x 50 mm and 55 x 55 mm (colours similar to RAL 9010, 1013 or 9016/glossy or matte)

Electronic temperature regulator with remote sensor for FETR floor heating system



Technical data

Operation voltage:	230 V ~, 50 Hz
Sensor:	NTC external (floor temperature sensor), supplied
Switching capacity:	16 (2) A/230 V ~
Switching differences:	<1 K
Setting ranges:	floor temperature 10...50 °C (Skala 1 ...5)
Temperature decrease:	approx. 5 K fixed (activation via phase L)
Indicators (LED):	"Heating" light, "Decrease" light
Type:	FETR 101.715#21
Equipment:	remote sensor for controlling floor temperature, temperature decrease, "ON/OFF" switch
Application:	control of temperatures produced by heating systems, e.g. electrical systems for the heating of floors, fringe zones, bathrooms, ceilings, tiled stoves, marble and/or wall heating systems or tempering systems, direct floor heating system
Cover versions:	50 x 50 mm and 55 x 55 mm (colours similar to RAL 9010, 1013 or 9016/glossy or matte)

Electronic climate control with clock KTRRUu



Technical data

Operating voltage:	230 V ~ ; 24 V ~/50 Hz
Sensors (self-monitoring)	NTC - internal, NTC - external, optional, external sensor for H/C switching, dewpoint sensor
Switching capacity:	3 (0.5) A, 5 mA (0-10 V outlet)
Switching difference:	approx. 1 K
Adjustment range:	heating 5...30°C/cooling 18...40°C
Display:	illuminated, graphic display (with LED "heat/cool")
Type:	different possible version (pict. KTRRUu 217.456#21)
Application:	flush-mounted controllers to regulate heating/cooling of 2 and 4-pipe systems, time-dependent in hotels, residential and business premises. Adjustment is performed via the menu. Up to 5 valve actuators (currentless open or closed) can be activated per outlet. The operating mode can be changed over via an external contact or temperature sensor in 2-pipe systems. The clock can be used as master for other controllers as ECO change-over. The energy-saving function (ECO) or frost protection (OFF) can be activated via an external contact. Alternatively, the inlets of the controllers can be configured for an external temperature sensors or a dewpoint sensor (DPS). The speed of a ventilator can be controlled using an 0... 10 V interface.
Cover variants:	50 x 50 mm, 55 x 55 mm, BUSCH-JAEGER Reflex SI/SI Linear (colours similar RAL 9010, 1013 or 9016/glossy or matt)

b@home operating unit



Technical data

Operating voltage:	230 V ~/50 Hz
Sensors (self-monitoring):	NTC - internal, NTC - external optional
Display:	illuminated, graphic display
Type:	different possible variants (pict. FTRCUd-210.123#21)
Application:	room temperature sensor to record and set the room temperature, b@home operating unit for central access to the settings of other active channels, an individual remote temperature regulation is created in conjunction with b@home gate and radio room temperature actuators, optional external sensor
Cover variants:	50 x 50 mm, 55 x 55 mm, BUSCH-JAEGER Reflex SI/SI Linear (colours similar RAL 9010, 1013 or 9016/glossy or matt)



Mechanical room hygrometer FHY



Technical data

Switching voltage:	24 ... 230 V ~
Sensor:	plastic fibres
Hygrometer switching current:	at 230 V ~ and 24 V ~
Dehumidifying:	5 (0,2) A min. 100 mA
Humidifying:	2 (0,2) A min. 100 mA
Contact:	change-over contact
Setting ranges:	35 ... 85 % r. H.
Switching differences:	approx. 7 % r. H.
Type:	RFHSU-101.060#21 (pict.)/RFHSU-101.060#00
Equipment:	external setting, mechanical range suppression
Application:	monitoring and regulation of relative humidity in business premises, living spaces, conservatories, baths, swimming pools, computer rooms, control of fans, humidification/dehumidification devices, also for restaurants
Cover versions:	50 x 50 mm and 55 x 55 mm (colours similar to RAL 9010, 1013 or 9016/glossy or matte)

Room temperature sensor FUF



Technical data

Type:	FUF xxx
Sensor:	PT100, PT1000, NI1000, KTY 81-121, KTY 11-7, NTCs
Ambient temperature:	-10 ... +50 ° C
Protection class:	III
Protection type:	IP 30
Measurement current:	< 1 mA
Application:	temperature measurement in living and office spaces
Cover versions:	50 x 50 mm (colours similar to RAL 9010/glossy or matte)

Adaption alre flush-mounted controller

Manufacturer	Programme	Colour RAL 9010 (surface quality)	Adapt using Cover kit "55 x 55" possible (without insert frame)	An adapter frame is from the manufacturer is only required for adapting using cover kit "50 x 50"
BERKER	S.1/B.1	polar white (matt)	✓	1109 19 19
BERKER	S.1	polar white (glossy)	✓	1109 90 89
BERKER	Arsys	polar white (glossy)		1108 01 69
BERKER	B.3	Aluminium/polar white (glossy)	✓	1109 90 89
BERKER	B.7	Glass/polar white (matt)	✓	1109 19 19
BERKER	B.7	Glass/polar white (glossy)	✓	1109 90 89
BERKER	Q.1	polar white (velvety)		1109 60 79
BERKER	K.1	polar white (glossy)		1108 71 09
BUSCH-JAEGER	Reflex SI/SI Linear	alpine white (glossy)		1746-214-101
BUSCH-JAEGER	Busch-balance SI	alpine white (glossy)	✓	1746-914-101
BUSCH-JAEGER	impuls	alpine white (glossy)		FTRxUD-210.xxx#07 + (1746/10-74)
BUSCH-JAEGER	solo/future/axcent etc.	studio white – see RAL 9016 below		
ELSO	Joy	pure white (glossy)	✓	363084
ELSO	Fashion/Riva/Scala	pure white (glossy)		203084
GIRA	Surface switch	pure white (glossy)		0282 112
GIRA (System 55)	Standard/E 2	pure white (matt de luxe)	✓	0282 27
GIRA (System 55)	Standard/E 2	pure white (glossy)	✓	0282 03
GIRA (System 55)	E 22	pure white (glossy)	✓	0282 03
GIRA (System 55)	Event	pure white (matt de luxe) + Opak...	✓	0282 27
GIRA (System 55)	Event	pure white (glossy) + Opak...	✓	0282 03
GIRA (System 55)	Esprit	pure white (matt de luxe) + glass, aluminium...	✓	0282 27
GIRA (System 55)	Esprit	pure white (glossy) + glass, aluminium...	✓	0282 03
GIRA	S-Color	pure white (glossy)		0282 40
JUNG	CD 500/CD plus	alpine white (glossy)		CD 590 Z WW
JUNG	A 500/AS 500/A plus	alpine white (glossy)	✓	A 590 Z WW
JUNG	LS 990	alpine white (glossy)		LS 961 Z WW
JUNG	LS plus	alpine white (glass)		LS 961 Z WW
JUNG	A creation	alpine white (glossy)	✓	A 590 Z WW
JUNG	LS Design	alpine white (glossy)		LS 961 Z WW
MERTEN (System M)	M-Smart, Arc, Plan, Star	polar white (matt)	✓	5181 19
MERTEN (System M)	M-Smart, Arc, Plan, Star , M-Creativ, M-Pure	polar white (glossy)	✓	5181 19
MERTEN (System Basis)	1-M/Atelier-M	polar white (glossy)	✓	5181 19
MERTEN (System surface)	Artec/Trancent/Antik	polar white (glossy)		5160 99
MERTEN	1-M/M-Smart/M-Plan/M-pure etc.	active white – see RAL 9016 below		
PEHA	Standard	pure white (glossy)		80.670.02 ZV
PEHA	Dialog	pure white (glossy)		80.670.02 ZV
PEHA	Aura	pure white (matt)/glass		80.670.02 ZV
PEHA	Badora	pure white (glossy)		80.670.02 ZV

Manufacturer	Programme	Colour RAL 9010 (surface quality)	Adaption possible using cover kit "55 x 55" (without insert frame)	An adapter frame is from the manufacturer is only required for adapting using cover kit "50 x 50"
BUSCH-JAEGER	solo/future/future linear	studio white (RAL 9016 glossy)		1746/10-84
BUSCH-JAEGER	future linear	studio white (RAL 9016 matt)		1746/10-84
BUSCH-JAEGER	impuls	studio white (RAL 9016 matt)		1746/10-774
BUSCH-JAEGER	axcent	studio white (RAL 9016 glossy)		1746/10-84
BUSCH-JAEGER	carat (glass, bronze, gold)	studio white (RAL 9016 glossy)		1746/10-84
BUSCH-JAEGER	alpha (neu/exclusive *)	studio white (RAL 9016 glossy)		1746/10-24G
BUSCH-JAEGER	alpha (neu/exclusive *)	studio white (RAL 9016 matt)		1746/10-24
MERTEN	M-Smart, Plan , M-Pure	active white (RAL 9016 glossy)	✓	5185 25
MERTEN	1-M/Atelier-M	active white (RAL 9016 glossy)	✓	5185 25
MERTEN	D-Life	lotos white (RAL 9016)		MEG4500-6035
PEHA	Standard	arctic		D 80.670 ZV AW

NOTE: Most light switch programmes are designed in the colour "similar to RAL 9010, RAL 1013 and RAL 9016". The manufacturers use different names to describe their switch programme colours. Also coloured or glass and aluminium frames can be combined with white rocker switches or outlet sockets, so that these frames can also be used for switch controllers with white covers. The exact use must be checked for each individual case. The frames have different surface qualities (matt/glossy). The switch cover should have the same surface quality for design reasons. We do not accept any liability for slight differences in colour and surface quality or the fitting precision. The temperature controllers and hygrostats must always be installed at the lowest position in multi-frames.

"50 x 50 controller": The housing covers of the 50x50 controllers have the edge length 50x50 mm. This means that they can be integrated in almost all light switch programmes when the 50x50 mm adapter frames according to DIN 49075 are used. The 50x50 mm adapter frames can be ordered at light switch manufacturers or wholesalers. The order number of the appropriate adapter frame of each switch programme is stated in the column "For adaption of FTRxUD in size, 50x50".

"55 x 55 controller": The housing covers of the 50x50 controllers have the edge length 50x50 mm. Many light switch programmes have the inner dimensions 55 x 55 mm. This means that the 55x55 controllers can be integrated directly in these light switch frames without requiring an adapter frame. Whether the 55x55 controller matches the respective light switch programme is stated in the column "Adaption in switch programmes (55x55)".

Adaption alre flush-mounted transmitter FTRxUd-210.xxx/ alre heating controller HTRRUu-210.021/alre air-conditioner controller KTRRUu-2x7.456

Manufacturer	Programme	Colour RAL 9010 (surface quality)	Adaption in switch programme „55 x 55“ possible with ...	Adaption "50x50" possible with ... (adapter frame from switch manufacturer required)
BERKER	S.1/B.3	polar white (matt)	Variant #56	not required
BERKER	S.1	polar white (glossy)	Variant #55	not required
BERKER	Arsys	polar white (glossy)		Variant #07 + (1108 01 69)
BERKER	B.3	Aluminium/polar white (glossy)	Variant #55	not required
BERKER	B.7	Glass/polar white (matt)	Variant #56	not required
BERKER	B.7	Glass/polar white (glossy)	Variant #55	not required
BERKER	K.1	polar white (glossy)		Variant #07 + (1108 71 09)
BUSCH-JAEGER	Reflex SI/SI Linear	alpine white (glossy)	Variant #28	not required
BUSCH-JAEGER	Busch-balance SI	alpine white (glossy)	HTRRUu-210.021#55	not required
BUSCH-JAEGER	impuls	alpine white (glossy)		Variant #07 + (1746/10-84)
BUSCH-JAEGER	solo/future/axcent etc.	studio white – see RAL 9016 below		
ELSO	Joy	pure white (glossy)		not required
ELSO	Fashion/Riva/Scala	pure white (glossy)		HTRRUu-210.021#07 + (203084)
GIRA	Surface switch	pure white (glossy)		Variant #07 + (0282 112)
GIRA (System 55)	Standard/E 2	pure white (matt de luxe)	Variant #56	not required
GIRA (System 55)	Standard/E 2	pure white (glossy)	Variant #55	not required
GIRA (System 55)	E 22	pure white (glossy)	Variant #55	not required
GIRA (System 55)	Event	pure white (matt de luxe) + Opak...	Variant #56	not required
GIRA (System 55)	Event	pure white (glossy) + Opak...	Variant #55	not required
GIRA (System 55)	Esprit	pure white (matt de luxe) + glass, aluminium...	Variant #56	not required
GIRA (System 55)	Esprit	pure white (glossy) + glass, aluminium...	Variant #55	not required
GIRA	S-Color	pure white (glossy)		Variant #07 + (0282 40 09)
JUNG	CD 500/CD plus	alpine white (glossy)		Variant #07 + (CD 590 Z WW)
JUNG	A 500/AS 500/A plus	alpine white (glossy)	Variant #55	not required
JUNG	LS 990	alpine white (glossy)		Variant #07 + (LS 961 Z WW)
JUNG	LS plus	alpine white (glass)		Variant #07 + (LS 961 Z WW)
JUNG	A creation	alpine white (glossy)	Variant #55	not required
JUNG	LS Design	alpine white (glossy)		Variant #07 + (LS 961 Z WW)
MERTEN (System M)	M-Smart, M-Plan, M-Pure	polar white (matt)	Variant #56	not required
MERTEN (System M)	M-Smart, M-Plan, M-Creativ, M-Pure	polar white (glossy)	Variant #55	not required
MERTEN (System Basis)	1-M/Atelier-M	polar white (glossy)	Variant #55	not required
MERTEN (System surface)	Artec/Antik	polar white (glossy)		Variant #07 + (5160 99)
MERTEN	1-M/M-Smart/M-Plan/M-pure etc.	active white – see RAL 9016 below		
PEHA	Standard	pure white (glossy)		Variant #07 + (80.670.02 ZV)
PEHA	Dialog	pure white (glossy)		Variant #07 + (95.670.02 ZV)
PEHA	Aura	pure white (matt)/glass		Variant #07 + (20.670.02 ZV)
PEHA	Badora	pure white (glossy)		Variant #07 + (11.670.02 ZV)
Manufacturer	Programme	Colour RAL 9010 (surface quality)	Adaption in switch programme (55 x 55) possible with ...	Adaption "50x50" possible with ... (adapter frame from switch man- ufacturer required)
BUSCH-JAEGER	solo/future/future linear	studio white (RAL 9016 glossy)		Variant #27 + (1746/10-84)
BUSCH-JAEGER	axcent	studio white (RAL 9016 glossy)		Variant #27 + (1746/10-84)
BUSCH-JAEGER	carat (glass, bronze, gold)	studio white (RAL 9016 glossy)		Variant #27 + (1746/10-84)
BUSCH-JAEGER	alpha (ne/a/exclusive *)	studio white (RAL 9016 glossy)		Variant #27 + (1746/10-24G)
MERTEN	M-Smart, Plan	active white (RAL 9016 glossy)	Variant #59	not required
MERTEN	1-M/Atelier-M	active white (RAL 9016 glossy)	Variant #59	not required
MERTEN	D-Life	lotos white (RAL 9016)		HTRRUu-210.021#27 + (MEG4500-6035)
PEHA	Standard	arctic		Variant #27+ (D 80.670 ZV AW)

*) four plastic nibs on the rear of the frame must be removed for mounting

NOTE: Most light switch programmes are designed in the colour "similar to RAL 9010". The manufacturers use different names to describe their switch programme colours. Also coloured or glass and aluminium frames can be combined with white rocker switches or outlet sockets, so that these frames can also be used for switch controllers with white covers. The exact use must be checked for each individual case. The frames have different surface qualities (matt/glossy). The switch cover should have the same surface quality for design reasons. We do not accept any liability for slight differences in colour and surface quality or the fitting precision. The temperature controllers must always be installed at the lowest position in multi-frames.

"50 x 50 controller": The housing covers of the 50x50 controllers have the edge length 50x50 mm. This means that they can be integrated in almost all light switch programmes when the 50x50 adapter frames according to DIN 49075 are used. The 50x50 mm adapter frames can be ordered at light switch manufacturers or wholesalers. The order number of the appropriate adapter frame of each switch programme is stated in the column "For adaption of FTRxUd in size, 50x50".

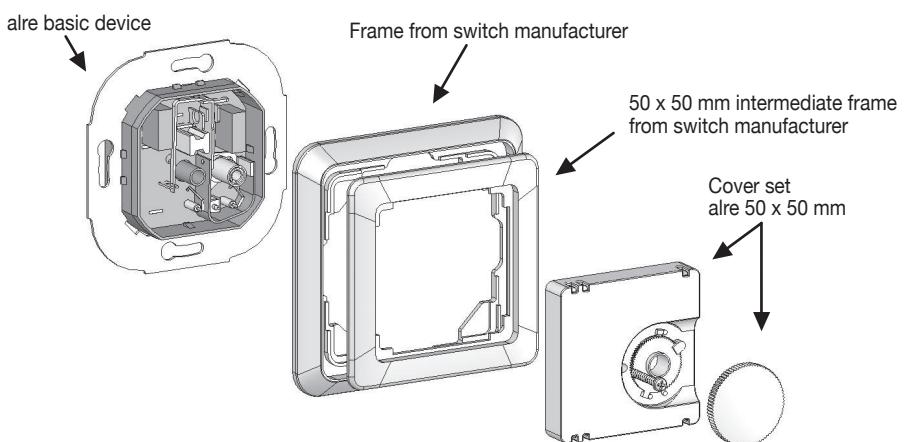
"55 x 55 controller": The housing covers of the 50x50 controllers have the edge length 50x50 mm. Many light switch programmes have the inner dimensions 55 x 55 mm. This means tha the 55x55 controllers can be integrated directly in these light switch frames without requiring an adapter frame. Whether the 55x55 controller matches the respective light switch programme is stated in the column "Adaption in switch programmes (55x55)" (FTRxUd-210.xxx#xx).

All information regarding programmes and article numbers of the switch manufacturers status 12/2017. | All information subject to change. | Subject to technical modifications. You can find an adaption list for RAL 1013 switch programme in the Internet at www.alre.de.

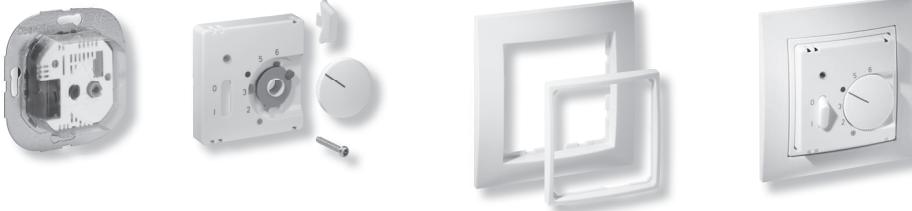
Examples of different combination options

- modular design allows a wide variety of switch frames to be used
- switch manufacturers offer intermediate frames which reduce the internal measurement of almost all their most popular ranges to 50 x 50 mm, allowing alre flush mounted appliances to be used with almost all ranges (see the adaptations list on the second-last page)
- alre 55 x 55 mm cover sets can be fitted straight to many switch frames without an intermediate frame (see the adaptations list on the second-last page)
- alre cover sets are available in the colors pure white glossy and matt (RAL 9010), creme white glossy (RAL 1013), traffic white glossy and matt (RAL 9016) as well as in special colours such as e.g. anthracite and aluminium.

alre flush-mounted device with 50 x 50 mm cover set in a switch frame and 50 x 50 mm intermediate frame



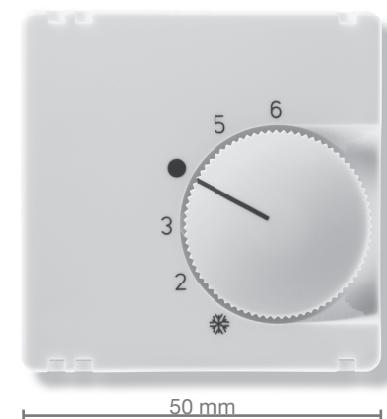
alre basic device + alre cover set 50 x 50 mm + Frame and intermediate frame from switch manufacturer = Complete device



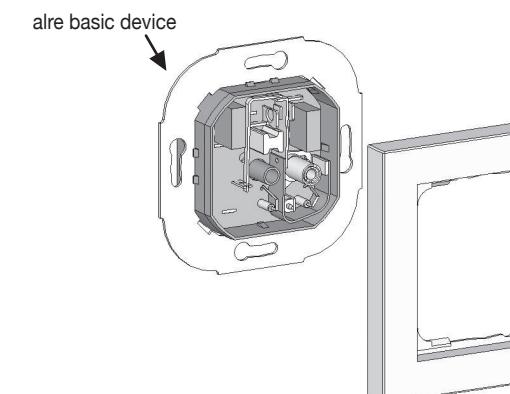
Combination examples



Cover set
50 x 50 mm



alre flush-mounted device with 55 x 55 mm



alre basic device + alre cover set 55 x 55 mm + Frame (internal)

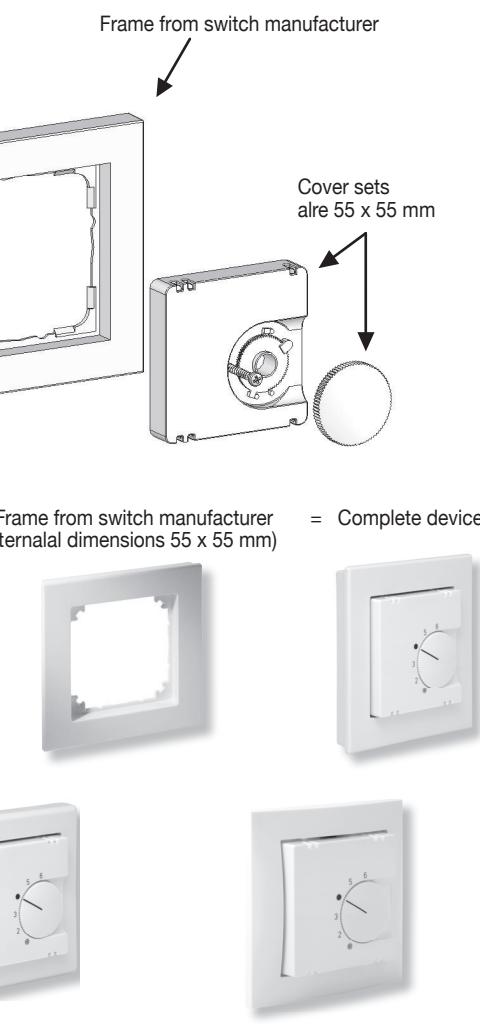


- alre's RAL 9010 colour designation corresponds to switch manufacturers' colours such as "pure white", "alpine white", and "polar white". All the most popular switch ranges are offered in this colour.
- alre's RAL 1013 colour designation corresponds to switch manufacturers' colours such as "white", "cream white", "pearl white" and "ivory white".
- By offering 2 colours and 2 different surface finishes, our devices blend perfectly with your preferred switch system.
- We have put together a list of the switch ranges that match our flush-mounted devices. This list also contains the order number for the 50 x 50 mm intermediate frame

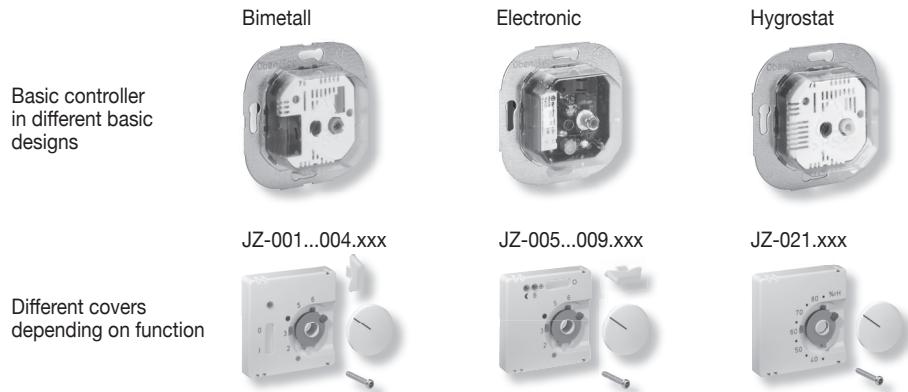
Cover set 55 x 55 mm



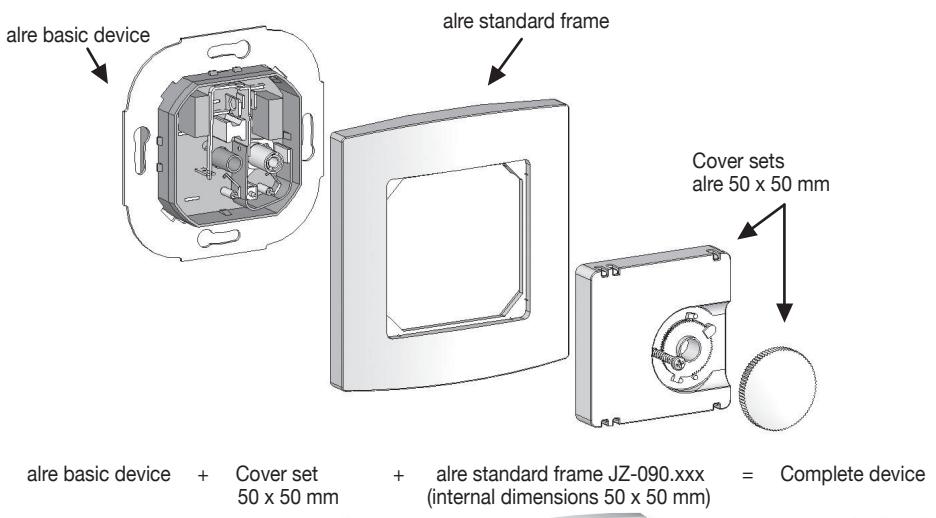
55 mm cover set in switch frame



Flush-mounted controller modular design



alre flush-mounted device in alre standard frame (internal measurement 50 x 50 mm)



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alre

Product finder for alre cover sets for switches from BERKER

Integration examples



Type alre	Berker range	Colour (RAL)/surface finish	alre cover set	Cover set Item no.	PG	insert frame 50x50*
FTR 101.000#00	S.1/B.3/B.7	polar white (RAL 9010) glossy	JZ-001.100 (55 x 55, glossy)	UN 990050	I	not required
FTR 101.002#00	S.1/B.3/B.7	polar white (RAL 9010) matt	JZ-001.101 (55 x 55, matt)	UN 990055	I	not required
FTR 101.101#00	Arsys	polar white (RAL 9010) glossy	JZ-001.000 (50 x 50, glossy)	UN 990035	I	1108 01 69
FTR 101.086#00	Q.1 / Q.3	polar white (RAL 9010) velvet	JZ-001.001 (50 x 50, matt)	UN 990040	I	1109 60 79
FTR 101.202#00	K.1	polar white (RAL 9010) glossy	JZ-001.000 (50 x 50, glossy)	UN 990035	I	1108 71 09



S.1	white (RAL 1013) glossy	JZ-001.110 (55 x 55, glossy)	UN 990060	I	not required	
Arsys	white (RAL 1013) glossy	JZ-001.010 (50 x 50, glossy)	UN 990045	I	1108 01 02	
S.1/B.3/B.7	NEW	alu/matt	JZ-001.131/BE	UN 990114	/I	not required
S.1/B.3/B.7		anthracite/matt	JZ-001.141/BE	UN 990115	/I	not required



Type alre	Berker range	Colour (RAL)/surface finish	alre cover set	Cover set Item no.	PG	insert frame 50x50*
FTR 101.062#00	S.1/B.3/B.7	polar white (RAL 9010) glossy	JZ-002.100 (55 x 55, glossy)	UN 990051	I	not required
FTR 101.262#00	S.1/B.3/B.7	polar white (RAL 9010) matt	JZ-002.101 (55 x 55, matt)	UN 990056	I	not required
Arsys	Arsys	polar white (RAL 9010) glossy	JZ-002.000 (50 x 50, glossy)	UN 990036	I	1108 01 69
Q.1/Q.3	Q.1/Q.3	polar white (RAL 9010) velvet	JZ-002.001 (50 x 50, matt)	UN 990041	I	1109 60 79
K.1	K.1	polar white (RAL 9010) glossy	JZ-002.000 (50 x 50, glossy)	UN 990036	I	1108 71 09



Type alre	Berker range	Colour (RAL)/surface finish	alre cover set	Cover set Item no.	PG	insert frame 50x50*
FTR 101.065#00	S.1/B.3/B.7	polar white (RAL 9010) glossy	JZ-004.100 (55 x 55, glossy)	UN 990052	I	not required
S.1/B.3/B.7	S.1/B.3/B.7	polar white (RAL 9010) matt	JZ-004.101 (55 x 55, matt)	UN 990057	I	not required
Arsys	Arsys	polar white (RAL 9010) glossy	JZ-004.000 (50 x 50, glossy)	UN 990037	I	1108 01 69
Q.1/Q.3	Q.1/Q.3	polar white (RAL 9010) velvet	JZ-004.001 (50 x 50, matt)	UN 990042	I	1109 60 79
K.1	K.1	polar white (RAL 9010) glossy	JZ-004.000 (50 x 50, glossy)	UN 990037	I	1108 71 09



Type alre	Berker range	Colour (RAL)/surface finish	alre cover set	Cover set Item no.	PG	insert frame 50x50*
FTR 101.075#00	S.1/B.3/B.7	polar white (RAL 9010) glossy	JZ-003.100 (55 x 55, glossy)	UN 990053	I	not required
S.1/B.3/B.7	S.1/B.3/B.7	polar white (RAL 9010) matt	JZ-003.101 (55 x 55, matt)	UN 990058	I	not required
Arsys	Arsys	polar white (RAL 9010) glossy	JZ-003.000 (50 x 50, glossy)	UN 990038	I	1108 01 69
Q.1/Q.3	Q.1/Q.3	polar white (RAL 9010) velvet	JZ-003.001 (50 x 50, matt)	UN 990043	I	1109 60 79
K.1	K.1	polar white (RAL 9010) glossy	JZ-003.000 (50 x 50, glossy)	UN 990038	I	1108 71 09

(triple switch, LED)

S.1	white (RAL 1013) glossy	JZ-003.110 (55 x 55, glossy)	UN 990063	I	not required	
Arsys	Arsys	white (RAL 1013) glossy	JZ-003.010 (50x50, glossy)	UN 990048	I	1108 01 02

* must be ordered from switch manufacturer or electronics wholesaler

Product finder for alre cover sets for switches from BUSCH-JAEGER

Integration examples



Type alre	Busch-Jaeger range	Colour (RAL)/surface finish	alre cover set	Cover set item no.	PG	insert frame 50x50*
FTR 101.000#00	Reflex SI/SI Linear	alpine white (RAL 9010) glossy	JZ-001.000 (50 x 50, glossy)	UN 990035	I	1746-214-101
FTR 101.002#00	Busch-balance SI	alpine white (RAL 9010) glossy	JZ-001.100 (55x55 glossy)	UN 990050	I	not required
FTR 101.010#00	impuls	alpine white (RAL 9010) glossy	JZ-001.000 (50 x 50, glossy)	UN 990035	I	1746/10-74
FTR 101.066#00						
FTR 101.202#00	future linear/solo/axcent/carat	studio white (RAL 9016) glossy	JZ-001.020 (50 x 50, glossy)	UN 990071	I	1746/10-84
FTR 101.210#00	future linear	studio white (RAL 9016) matt	JZ-001.021 (50 x 50, matt)	UN 990100	I	1746/10-884
	alpha nea	studio white (RAL 9016) glossy	JZ-001.020 (50 x 50, glossy)	UN 990071	I	1746/10-24G
	alpha nea	studio white (RAL 9016) matt	JZ-001.021 (50 x 50, matt)	UN 990100	I	1746/10-24
	Duro 2000 SI/SI Linear	white (RAL 1013) glossy	JZ-001.010 (50 x 50, glossy)	UN 990045	I	1746-212-101
	future linear/solo/carat	ivory white (RAL 1013) glossy	JZ-001.010 (50 x 50, glossy)	UN 990045	I	1746/10-82
	alpha nea	ivory white (RAL 1013) glossy	JZ-001.010 (50 x 50, glossy)	UN 990045	I	1746/10-22G
	impuls	ivory white (RAL 1013) glossy	JZ-001.010 (50 x 50, glossy)	UN 990045	I	1746/10-72
	future linear	aluminium silver/glossy	JZ-001.030/BJ	UN 990108	I	1746/10-83
	future linear	anthracite/glossy	JZ-001.040/BJ	UN 990109	I	1746/10-81
Type alre	Busch-Jaeger range	Colour (RAL)/surface finish	alre cover set	Cover set item no.	PG	insert frame 50x50*
FTR 101.062#00	Reflex SI/SI Linear	alpine white (RAL 9010) glossy	JZ-002.000 (50 x 50, glossy)	UN 990036	I	1746-214-101
FTR 101.262#00	Busch-balance SI	alpine white (RAL 9010) glossy	JZ-002.100 (55x55 glossy)	UN 990051	I	not required
	impuls	alpine white (RAL 9010) glossy	JZ-002.000 (50 x 50, glossy)	UN 990036	I	1746/10-74
	future linear/solo/axcent/carat	studio white (RAL 9016) glossy	JZ-002.020 (50 x 50, glossy)	UN 990072	I	1746/10-84
	future linear	studio white (RAL 9016) matt	JZ-002.021 (50 x 50, matt)	UN 990101	I	1746/10-884
	alpha nea	studio white (RAL 9016) glossy	JZ-002.020 (50 x 50, glossy)	UN 990072	I	1746/10-24G
	alpha nea	studio white (RAL 9016) matt	JZ-002.021 (50 x 50, matt)	UN 990101	I	1746/10-24
	Duro 2000 SI/SI Linear	white (RAL 1013) glossy	JZ-002.010 (50 x 50, glossy)	UN 990046	I	1746-212-101
	future linear/solo/carat	ivory white (RAL 1013) glossy	JZ-002.010 (50 x 50, glossy)	UN 990046	I	1746/10-82
	alpha nea	ivory white (RAL 1013) glossy	JZ-002.010 (50 x 50, glossy)	UN 990046	I	1746/10-22G
	impuls	ivory white (RAL 1013) glossy	JZ-002.010 (50 x 50, glossy)	UN 990046	I	1746/10-72
Type alre	Busch-Jaeger range	Colour (RAL)/surface finish	alre cover set	Cover set item no.	PG	insert frame 50x50*
FTR 101.065#00	Reflex SI/SI Linear	alpine white (RAL 9010) glossy	JZ-004.000 (50 x 50, glossy)	UN 990037	I	1746-214-101
	Busch-balance SI	alpine white (RAL 9010) glossy	JZ-004.100 (55x55 glossy)	UN 990052	I	not required
	impuls	alpine white (RAL 9010) glossy	JZ-004.000 (50 x 50, glossy)	UN 990037	I	1746/10-74
	future linear/solo/axcent/carat	studio white (RAL 9016) glossy	JZ-004.020 (50 x 50, glossy)	UN 990073	I	1746/10-84
	future linear	studio white (RAL 9016) matt	JZ-004.021 (50 x 50, matt)	UN 990103	I	1746/10-884
	alpha nea	studio white (RAL 9016) glossy	JZ-004.020 (50 x 50, glossy)	UN 990073	I	1746/10-24G
	alpha nea	studio white (RAL 9016) matt	JZ-004.021 (50 x 50, matt)	UN 990103	I	1746/10-24
	Duro 2000 SI/SI Linear	white (RAL 1013) glossy	JZ-004.010 (50x50, glossy)	UN 990047	I	1746-212-101
	future linear/solo/carat	ivory white (RAL 1013) glossy	JZ-004.010 (50x50, glossy)	UN 990047	I	1746/10-82
	alpha nea	ivory white (RAL 1013) glossy	JZ-004.010 (50x50, glossy)	UN 990047	I	1746/10-22G
	impuls	ivory white (RAL 1013) glossy	JZ-004.010 (50x50, glossy)	UN 990047	I	1746/10-72
Type alre	Busch-Jaeger range	Colour (RAL)/surface finish	alre cover set	Cover set item no.	PG	insert frame 50x50*
FTR 101.075#00	Reflex SI/SI Linear	alpine white (RAL 9010) glossy	JZ-003.000 (50 x 50, glossy)	UN 990038	I	1746-214-101
	Busch-balance SI	alpine white (RAL 9010) glossy	JZ-003.100 (55x55 glossy)	UN 990053	I	not required
	impuls	alpine white (RAL 9010) glossy	JZ-003.000 (50 x 50, glossy)	UN 990038	I	1746/10-74
	future linear/solo/axcent/carat	studio white (RAL 9016) glossy	JZ-003.020 (50 x 50, glossy)	UN 990074	I	1746/10-84
	future linear	studio white (RAL 9016) matt	JZ-003.021 (50 x 50, matt)	UN 990102	I	1746/10-884
	alpha nea	studio white (RAL 9016) glossy	JZ-003.020 (50 x 50, glossy)	UN 990074	I	1746/10-24G
	alpha nea	studio white (RAL 9016) matt	JZ-003.021 (50 x 50, matt)	UN 990102	I	1746/10-24
	Duro 2000 SI/SI Linear	white (RAL 1013) glossy	JZ-003.010 (50 x 50, glossy)	UN 990048	I	1746-212-101
	future linear/solo/carat	ivory white (RAL 1013) glossy	JZ-003.010 (50 x 50, glossy)	UN 990048	I	1746/10-82
	alpha nea	ivory white (RAL 1013) glossy	JZ-003.010 (50 x 50, glossy)	UN 990048	I	1746/10-22G
	impuls	ivory white (RAL 1013) glossy	JZ-003.010 (50 x 50, glossy)	UN 990048	I	1746/10-72

<sup>*) must be ordered from switch manufacturer or electronics wholesaler
For BJ future/solo there are also 55 x 55 insert frames (for the use of alre 55 x 55 cover set) – BJ item no. 1747-84 (studio white) and 1784-82 (ivory white)</sup>

Note: Busch-Jaeger central disc cannot be used with alre FTR.

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Product finder for alre cover sets for switches from ELSO

Integration examples



FTR ... in Joy



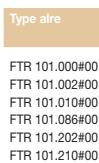
FTR ... in Fashion



FTR ... in Riva



FTR ... in Scala



standard (without switch)



(ON/OFF switch, LED)



(H/K switch)



(triple switch, LED)

*) must be ordered from switch manufacturer or electronics wholesaler

Product finder for alre cover sets for switches from GIRA

Integration examples



Type alre	Gira range	Colour (RAL)/surface finish	alre cover set	Cover set item no.	PG	insert frame 50x50*
FTR 101.000#00 FTR 101.002#00 FTR 101.010#00 FTR 101.086#00 FTR 101.202#00 FTR 101.210#00	Standard 55/E2/E22/ Event/Esprit	pure white (RAL 9010) glossy	JZ-001.100 (55 x 55, glossy)	UN 990050	I	not required
	Standard 55/E2/E22/ Event/Esprit	pure white (RAL 9010) matt	JZ-001.101 (55 x 55, matt)	UN 990055	I	not required
	Rocker switch	pure white (RAL 9010) glossy	JZ-001.000 (50 x 50, glossy)	UN 990035	I	0282 112
	Standard 55/Event/ Esprit/ClassiX	cream white (RAL 1013) glossy	JZ-001.110 (55 x 55, glossy)	UN 990060	I	not required
standard (without switch) 	System 55 NEW	aluminium/matt	JZ-001.131/GI	UN 990110	I	not required
	System 55	anthracite/matt	JZ-001.141/GI	UN 990111	I	not required
Type alre	Gira range	Colour (RAL)/surface finish	alre cover set	Cover set item no.	PG	insert frame 50x50*
FTR 101.062#00 FTR 101.262#00 	Standard 55/E2/E22/ Event/Esprit	pure white (RAL 9010) glossy	JZ-002.100 (55 x 55, glossy)	UN 990051	I	not required
	Standard 55/E2/E22/ Event/Esprit	pure white (RAL 9010) matt	JZ-002.101 (55 x 55, matt)	UN 990056	I	not required
	Rocker switch	pure white (RAL 9010) glossy	JZ-002.000 (50 x 50, glossy)	UN 990036	I	0282 112
(ON/OFF switch, LED)	Standard 55/Event/ Esprit/ClassiX	cream white (RAL 1013) glossy	JZ-002.110 (55 x 55, glossy)	UN 990061	I	not required
Type alre	Gira range	Colour (RAL)/surface finish	alre cover set	Cover set item no.	PG	insert frame 50x50*
FTR 101.065#00 	Standard 55/E2/E22/ Event/Esprit	pure white (RAL 9010) glossy	JZ-004.100 (55 x 55, glossy)	UN 990052	I	not required
	Standard 55/E2/E22/ Event/Esprit	pure white (RAL 9010) matt	JZ-004.101 (55 x 55, matt)	UN 990057	I	not required
	Rocker switch	pure white (RAL 9010) glossy	JZ-004.000 (50 x 50, glossy)	UN 990037	I	0282 112
(H/C switch)	Standard 55/Event/ Esprit/ClassiX	cream white (RAL 1013) glossy	JZ-004.110 (55 x 55, glossy)	UN 990062	I	not required
Type alre	Gira range	Colour (RAL)/surface finish	alre cover set	Cover set item no.	PG	insert frame 50x50*
FTR 101.075#00 	Standard 55/E2/E22/ Event/Esprit	pure white (RAL 9010) glossy	JZ-003.100 (55 x 55, glossy)	UN 990053	I	not required
	Standard 55/E2/E22/ Event/Esprit	pure white (RAL 9010) matt	JZ-003.101 (55 x 55, matt)	UN 990058	I	not required
	Rocker switch	pure white (RAL 9010) glossy	JZ-003.000 (50 x 50, glossy)	UN 990038	I	0282 112
(triple switch, LED)	Standard 55/Event/ Esprit/ClassiX	cream white (RAL 1013) glossy	JZ-003.110 (55 x 55, glossy)	UN 990063	I	not required

*) must be ordered from switch manufacturer or electronics wholesaler

**) for GIRA rocker switches, there are also 55 x 55 insert frames (for the use of alre 55 x 55 cover set) – GIRA item no. 0289 112 (pure white) and 0289 111 (cream white)

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Product finder for alre cover sets for switches from JUNG

Integration examples



FTR ... in AS 500



FTR ... in A 500



FTR ... in A plus



FTR ... in A creation



FTR ... in LS-design

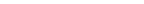
Type alre	Jung range	Colour (RAL)/surface finish	alre cover set	Cover set item no.	PG	insert frame 50x50*
FTR 101.000#00	AS 500/A 500 / A creation / A plus	alpine white (RAL 9010) glossy	JZ-001.100 (55 x 55, glossy)	UN 990050	I	not required
FTR 101.02#00	CD 500/CD plus	alpine white (RAL 9010) glossy	JZ-001.000 (50 x 50, glossy)	UN 990035	I	CD 590 Z WW
FTR 101.010#00	LS 990/LS design / LS plus	alpine white (RAL 9010) glossy	JZ-001.000 (50 x 50, glossy)	UN 990035	I	LS 961 Z WW**
FTR 101.086#00	AS 500	white (RAL 1013) glossy	JZ-001.110 (55 x 55, glossy)	UN 990060	I	not required
FTR 101.202#00	CD 500/CD plus	white (RAL 1013) glossy	JZ-001.010 (50 x 50, glossy)	UN 990045	I	590 Z
FTR 101.210#00	LS 990/LS design / LS plus	white (RAL 1013) glossy	JZ-001.010 (50 x 50, glossy)	UN 990045	I	LS 961 Z**



Type alre	Jung range	Colour (RAL)/surface finish	alre cover set	Cover set item no.	PG	insert frame 50x50*
FTR 101.062#00	AS 500/A 500 / A creation / A plus	alpine white (RAL 9010) glossy	JZ-002.100 (55 x 55, glossy)	UN 990051	I	not required
FTR 101.262#00	CD 500/CD plus	alpine white (RAL 9010) glossy	JZ-002.000 (50 x 50, glossy)	UN 990036	I	CD 590 Z WW
(ON/OFF switch, LED)	LS 990/LS design / LS plus	alpine white (RAL 9010) glossy	JZ-002.000 (50 x 50, glossy)	UN 990036	I	LS 961 Z WW**
	AS 500	white (RAL 1013) glossy	JZ-002.110 (55 x 55, glossy)	UN 990061	I	not required
	CD 500/CD plus	white (RAL 1013) glossy	JZ-002.010 (50 x 50, glossy)	UN 990046	I	590 Z
	LS 990/LS design / LS plus	white (RAL 1013) glossy	JZ-002.010 (50 x 50, glossy)	UN 990046	I	LS 961 Z**



Type alre	Jung range	Colour (RAL)/surface finish	alre cover set	Cover set item no.	PG	insert frame 50x50*
FTR 101.065#00	AS 500/A 500 / A creation / A plus	alpine white (RAL 9010) glossy	JZ-004.100 (55 x 55, glossy)	UN 990052	I	not required
	CD 500/CD plus	alpine white (RAL 9010) glossy	JZ-004.000 (50 x 50, glossy)	UN 990037	I	CD 590 Z WW
	LS 990/LS design / LS plus	alpine white (RAL 9010) glossy	JZ-004.000 (50 x 50, glossy)	UN 990037	I	LS 961 Z WW**
	AS 500	white (RAL 1013) glossy	JZ-004.110 (55 x 55, glossy)	UN 990062	I	not required
	CD 500/CD plus	white (RAL 1013) glossy	JZ-004.010 (50x50, glossy)	UN 990047	I	590 Z
	LS 990/LS design / LS plus	white (RAL 1013) glossy	JZ-004.010 (50x50, glossy)	UN 990047	I	LS 961 Z**



Type alre	Jung range	Colour (RAL)/surface finish	alre cover set	Cover set item no.	PG	insert frame 50x50*
FTR 101.075#00	AS 500/A 500 / A creation / A plus	alpine white (RAL 9010) glossy	JZ-003.100 (55 x 55, glossy)	UN 990053	I	not required
	CD 500/CD plus	alpine white (RAL 9010) glossy	JZ-003.000 (50 x 50, glossy)	UN 990038	I	CD 590 Z WW
	LS 990/LS design / LS plus	alpine white (RAL 9010) glossy	JZ-003.000 (50 x 50, glossy)	UN 990038	I	LS 961 Z WW**
	AS 500	white (RAL 1013) glossy	JZ-003.110 (55 x 55, glossy)	UN 990063	I	not required
	CD 500/CD plus	white (RAL 1013) glossy	JZ-003.010 (50 x 50, glossy)	UN 990048	I	590 Z
	LS 990/LS design / LS plus	white (RAL 1013) glossy	JZ-003.010 (50 x 50, glossy)	UN 990048	I	LS 961 Z**



*) must be ordered from switch manufacturer or electronics wholesaler

**) for the Jung LS series, there are also 55 x 55 insert frames (for the use of alre 55 x 55 cover set) – JUNG item no. LS 961 Z5 WW (alpine white) and LS 961 Z5 (white)

Product finder for alre cover sets for switches from MERTEN

Integration examples



Type alre	Merten range	Colour (RAL)/surface finish	alre cover set	Cover set Item no.	PG	insert frame 50x50*
FTR 101.000#00 FTR 101.002#00 FTR 101.010#00 FTR 101.006#00 FTR 101.202#00 FTR 101.210#00	1-M, Atelier-M/M-Smart, M-Pure, M-Plan, M-Creativ 1-M, Atelier-M/M-Smart, M-Pure, M-Plan, M-Creativ 1-M, Atelier-M/M-Smart, M-Pure, M-Plan, M-Creativ D-Life	polar white (RAL 9010) glossy polar white (RAL 9010) matt active white (RAL 9016) glossy lotos white (RAL 9010) glossy	JZ-001.100 (55 x 55, glossy) JZ-001.101 (55 x 55, matt) JZ-001.120 (55 x 55, glossy) JZ-001.020 (50 x 50, glossy)	UN 990050 UN 990055 UN 990086 UN 990071	I	not required not required not required MEG4500-6035
standard (without switch)	System Design: Artec, Antik	polar white (RAL 9010) glossy	JZ-001.000 (50 x 50, glossy)	UN 990035	I	5160 99
	1-M, Atelier-M/M-Smart, M-Pure, M-Plan, M-Creativ	white (RAL 1013) glossy	JZ-001.110 (55 x 55, glossy)	UN 990060	I	not required
	System Design: Artec, Antik	white (RAL 1013) glossy	JZ-001.010 (50 x 50, glossy)	UN 990045	I	5160 94
	System M NEW	aluminium/matt	JZ-001.131/ME	UN 990116	I	not required
	System M	anthracite/matt	JZ-001.141/ME	UN 990117	I	not required

Type alre	Merten range	Colour (RAL)/surface finish	alre cover set	Cover set Item no.	PG	insert frame 50x50*
FTR 101.062#00 FTR 101.262#00	1-M, Atelier-M/M-Smart, M-Pure, M-Plan, M-Creativ 1-M, Atelier-M/M-Smart, M-Pure, M-Plan, M-Creativ 1-M, Atelier-M/M-Smart, M-Pure, M-Plan, M-Creativ D-Life	polar white (RAL 9010) glossy polar white (RAL 9010) matt active white (RAL 9016) glossy lotos white (RAL 9010) glossy	JZ-002.100 (55 x 55, glossy) JZ-002.101 (55 x 55, matt) JZ-002.120 (55 x 55, glossy) JZ-002.020 (50 x 50, glossy)	UN 990051 UN 990056 UN 990088 UN 990072	I	not required not required not required MEG4500-6035
(ON/OFF switch, LED)	System Design: Artec, Antik	polar white (RAL 9010) glossy	JZ-002.000 (50 x 50, glossy)	UN 990036	I	5160 99
	1-M, Atelier-M/M-Smart, M-Pure, M-Plan, M-Creativ	white (RAL 1013) glossy	JZ-002.110 (55 x 55, glossy)	UN 990061	I	not required
	System Design: Artec, Antik	white (RAL 1013) glossy	JZ-002.010 (50 x 50, glossy)	UN 990046	I	5160 94

Type alre	Merten range	Colour (RAL)/surface finish	alre cover set	Cover set Item no.	PG	insert frame 50x50*
FTR 101.065#00	1-M, Atelier-M/M-Smart, M-Pure, M-Plan, M-Creativ 1-M, Atelier-M/M-Smart, M-Pure, M-Plan, M-Creativ 1-M, Atelier-M/M-Smart, M-Pure, M-Plan, M-Creativ D-Life	polar white (RAL 9010) glossy polar white (RAL 9010) matt active white (RAL 9016) glossy lotos white (RAL 9010) glossy	JZ-004.100 (55 x 55, glossy) JZ-004.101 (55 x 55, matt) JZ-004.120 (55 x 55, glossy) JZ-004.020 (50 x 50, glossy)	UN 990052 UN 990057 UN 990089 UN 990073	I	not required not required not required MEG4500-6035
(H/C switch)	System Design: Artec, Antik	polar white (RAL 9010) glossy	JZ-004.000 (50 x 50, glossy)	UN 990037	I	5160 99
	1-M, Atelier-M/M-Smart, M-Pure, M-Plan, M-Creativ	white (RAL 1013) glossy	JZ-004.110 (55 x 55, glossy)	UN 990062	I	not required
	System Design: Artec, Antik	white (RAL 1013) glossy	JZ-004.010 (50x50, glossy)	UN 990047	I	5160 94

Type alre	Merten range	Colour (RAL)/surface finish	alre cover set	Cover set Item no.	PG	insert frame 50x50*
FTR 101.075#00	1-M, Atelier-M/M-Smart, M-Pure, M-Plan, M-Creativ 1-M, Atelier-M/M-Smart, M-Pure, M-Plan, M-Creativ 1-M, Atelier-M/M-Smart, M-Pure, M-Plan, M-Creativ D-Life	polar white (RAL 9010) glossy polar white (RAL 9010) matt active white (RAL 9016) glossy lotos white (RAL 9010) glossy	JZ-003.100 (55 x 55, glossy) JZ-003.101 (55 x 55, matt) JZ-003.120 (55 x 55, glossy) JZ-003.020 (50 x 50, glossy)	UN 990053 UN 990058 UN 990090 UN 990074	I	not required not required not required MEG4500-6035
(triple switch, LED)	System Design: Artec, Antik	polar white (RAL 9010) glossy	JZ-003.000 (50 x 50, glossy)	UN 990038	I	5160 99
	1-M, Atelier-M/M-Smart, M-Pure, M-Plan, M-Creativ	white (RAL 1013) glossy	JZ-003.110 (55 x 55, glossy)	UN 990063	I	not required
	System Design: Artec, Antik	white (RAL 1013) glossy	JZ-003.010 (50 x 50, glossy)	UN 990048	I	5160 94



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