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with skill and tradition

alre

Universal flush-mounted controllers with timer control



- universal temperature controller (HTRRUu-210.021) – Room temperature controller with optional remote sensor – Room temperature controller with floor monitoring or floor temperature controller
- universal climate controller (KTRRUu-217.456) – Climate controller for 2 and 4-pipe systems, heating controllers or cooling controllers with and without fans
- intuitive, simple operation
- timer control for cost optimization
- illuminated, graphics-capable display
- unrestricted wiring of pluggable terminal screws for easy mounting
- matches all current switch ranges

General functions, highlights and benefits for you

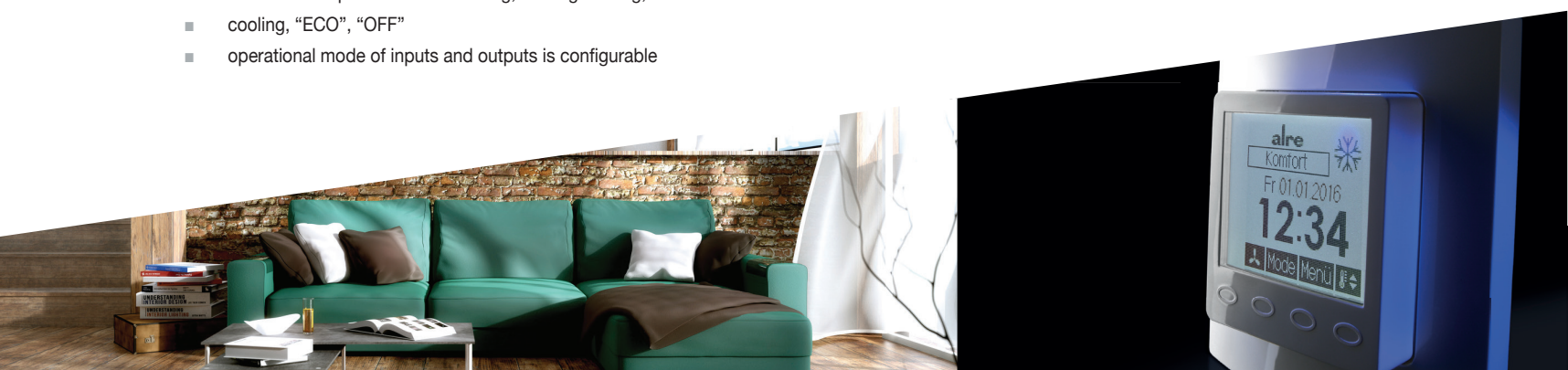
- automatic adjustment to standard/daylight savings time
- learning function
- correction of measured values
- configurable display content
- up to 8 different languages can be set via menu (DE, GB, FR, RU, NL, ES, PL, CZ)
- OFF switch with frost protection
- key lock
- valve protection function
- holiday and party function
- configurable control method (PI-PWM or 2-point control)
- choice of constant display illumination
- power reserve
- "Heating operation" or "Cooling operation" indicator
- high-quality, easy-to-understand operating instructions

KTRRUu-2x7.456

- heating controller function with Decrease output (master controller)
- suitable for valve actuators normally open/closed
- analogue output 0 ... 10 V for fan control
- selectable input functions: ext. temperature sensor, ext. "ECO" contact, ext. "OFF" contact, ext. "Heating/Cooling Changeover" contact, flow sensor, dew point
- sensor
- selectable output functions: Heating, heating/cooling, cooling, "ECO", "OFF"
- operational mode of inputs and outputs is configurable

HTRRUu-210.021

- choice of several different external sensors thus also ideal for retrofitting
- VDE mark
- limit setting for floor temperature
- suitable for electrical and hot water heating systems
- load adjustment for optimum control





Equipment	Type of universal heating controller	Item No.	Type of universal climate controller	Item No.	Typ Universeller Klimaregler 24V	Item No.
Cover 50 x 50 mm pure white, (similar to RAL 9010), glossy, alre "Berlin" frame	HTRRUu-210.021#21	UA060000	KTRRUu-217.456#21	UA220000	KTRRUu-257.456#21	UA220100
Cover 50 x 50 mm pure white, (similar to RAL 9010), glossy, without frame	HTRRUu-210.021#07	UA060001	KTRRUu-217.456#07	UA220002	KTRRUu-257.456#07	UA220103
Cover 50 x 50 mm pearl white, (similar to RAL 1013), glossy, without frame	HTRRUu-210.021#09	UA060002	KTRRUu-217.456#09	UA220003	KTRRUu-257.456#09	UA220104
Cover 50 x 50 mm standard white, (similar to RAL 9016), glossy, without frame	HTRRUu-210.021#27	UA060003	KTRRUu-217.456#27	UA220004	KTRRUu-257.456#27	UA220105
Cover 55 x 55 mm pure white, (similar to RAL 9010), glossy, without frame	HTRRUu-210.021#55	UA060004	KTRRUu-217.456#55	UA220005	KTRRUu-257.456#55	UA220106
Cover 55 x 55 mm pearl white, (similar to RAL 1013), glossy, without frame	HTRRUu-210.021#57	UA060005	KTRRUu-217.456#57	UA220006	KTRRUu-257.456#57	UA220107
Cover 55 x 55 mm standard white, (similar to RAL 9016), glossy, without frame	HTRRUu-210.021#59	UA060014	KTRRUu-217.456#59	UA220008	KTRRUu-257.456#59	UA220109
Cover suitable BUSCH-JAEGER Reflex SI/SI Linear, (similar to RAL 9010), glossy, without frame	HTRRUu-210.021#28	UA060006	KTRRUu-217.456#28	UA220007	KTRRUu-257.456#28	UA220108
Cover 55 x 55 mm pure white, (similar to RAL 9010), matte, without frame	HTRRUu-210.021#56	UA060020	KTRRUu-217.456#56	UA220009	KTRRUu-257.456#56	UA220110
Like HTRRUu-210.021#21 including external floor sensor (HF-8/4-K2)	HTRRUu-210.021#21/7	UA060011	-	-	-	-
External floor sensor incl. 4 m cable (sensor compliant with DIN 44574), Ø 7,7 mm	HF-8/4-K2	G8000370	-	-	-	-

Manufacturer	Range	Colour RAL 9010/9016 (Surface finish)*	"55 x 55" version can be integrated without intermediate frame	"50 x 50" version requires intermediate frame (see no. below)
BERKER	S.1	polar white (glossy)	HTRRUu-210.021#55/KTRRUu-2x7.456#55	unnecessary
BERKER	S.1	polar white (matt)	HTRRUu-210.021#56/KTRRUu-2x7.456#56	unnecessary
BERKER	K.1	polar white (glossy)		variant #07 + (1108 71 09)
BUSCH-JAEGER	Reflex SI/SI Linear	alpine white (glossy)	HTRRUu-210.021#28/KTRRUu-2x7.456#28	unnecessary
BUSCH-JAEGER	Busch-balance SI	alpine white (glossy)	HTRRUu-210.021#55/KTRRUu-2x7.456#55	unnecessary
BUSCH-JAEGER	solo/future/future linear	studio white (RAL 9016 glossy)		variant #27 + (1746/10-84)
ELSO	Joy	pure white (glossy)	HTRRUu-210.021#55/KTRRUu-2x7.456#55	unnecessary
ELSO	Fashion/Riva/Scala	pure white (glossy)		variant #07 + (203084)
GIRA (System 55)	Standard/E 2	pure white (glossy)	HTRRUu-210.021#55/KTRRUu-2x7.456#55	unnecessary
GIRA (System 55)	Standard/E 2	pure white (silk matt)	HTRRUu-210.021#56/KTRRUu-2x7.456#56	unnecessary
GIRA (System 55)	E 22	pure white (glossy)	HTRRUu-210.021#55/KTRRUu-2x7.456#55	unnecessary
GIRA	Flächenschalter	pure white (glossy)		variant #07 + (0282 112)
JUNG	CD 500/CD plus	alpine white (glossy)		variant #07 + (CD 590 Z WW)
JUNG	A 500/AS 500/A plus	alpine white (glossy)	HTRRUu-210.021#55/KTRRUu-2x7.456#55	unnecessary
JUNG	LS 990	alpine white (glossy)		variant #07 + (LS 961 Z WW)
MERTEN (System M)	M-Smart, M-Plan, M-Creative, M-Pure	polar white (glossy)	HTRRUu-210.021#55/KTRRUu-2x7.456#55	unnecessary
MERTEN (System Basis)	1-M/Atelier-M	polar white (glossy)	HTRRUu-210.021#55/KTRRUu-2x7.456#55	unnecessary
PEHA	Standard	pure white (glossy)		variant #07 + (80.670.02 ZV)
PEHA	Dialog	pure white (glossy)		variant #07 + (95.670.02 ZV)

NOTE: Most light switch ranges are finished in colours "similar to RAL 2010", which switch manufacturers use different names to describe. Coloured or glass/aluminium frames are also typically combined with white switches or sockets, meaning that controllers with white covers can be integrated with these frames as well. Exact use should be checked on an individual basis. The frames have different surface finishes (matte, glossy) and for aesthetic reasons, the cover of the controller should have the same surface finish. We accept no liability for variations in colour and surface finish or for accuracy of fit. The knob of the controller always has a "gloss" finish.

"50 x 50" controllers: Casing covers for the 50 x 50 controller have edge dimensions of 50 x 50 mm. This means they can be integrated in almost all light switch ranges using a 50 x 50 mm intermediate frame in accordance with DIN 49075. 50 x 50 mm intermediate frames should be ordered from the light switch manufacturer or from a wholesaler. Order numbers for the intermediate frames to fit different switch ranges are listed in the "Only adaption with "50 x 50" cover set" column above.

"55 x 55" controllers: Casing covers for the 55 x 55 controllers have edge dimensions of 55 x 55 mm. Many light switch ranges have internal dimensions of 55 x 55 mm. This means that the 55 x 55 controllers can be integrated directly into these light switch frames without using an intermediate frame. The last column "Adaption possible using "55 x 55" cover set" indicates whether the 55 x 55 controller fits into the different light switch ranges ().

All information regarding switch manufacturers' product lines and item numbers was last updated in 2017.

--> When installing devices into multi frames, always assemble the temperature controllers at the lowermost position! (Mountable when used as a floor thermostat anywhere)

*) No liability is assumed for the information provided.