

TA-Slider: Digital Control - Smart Performance

Complete range of linear actuators that give you full flexibility in design, control and installation.

Compatible with valve sizes DN15 to DN150.



Perfect for INSTALLERS & CONTRACTORS:

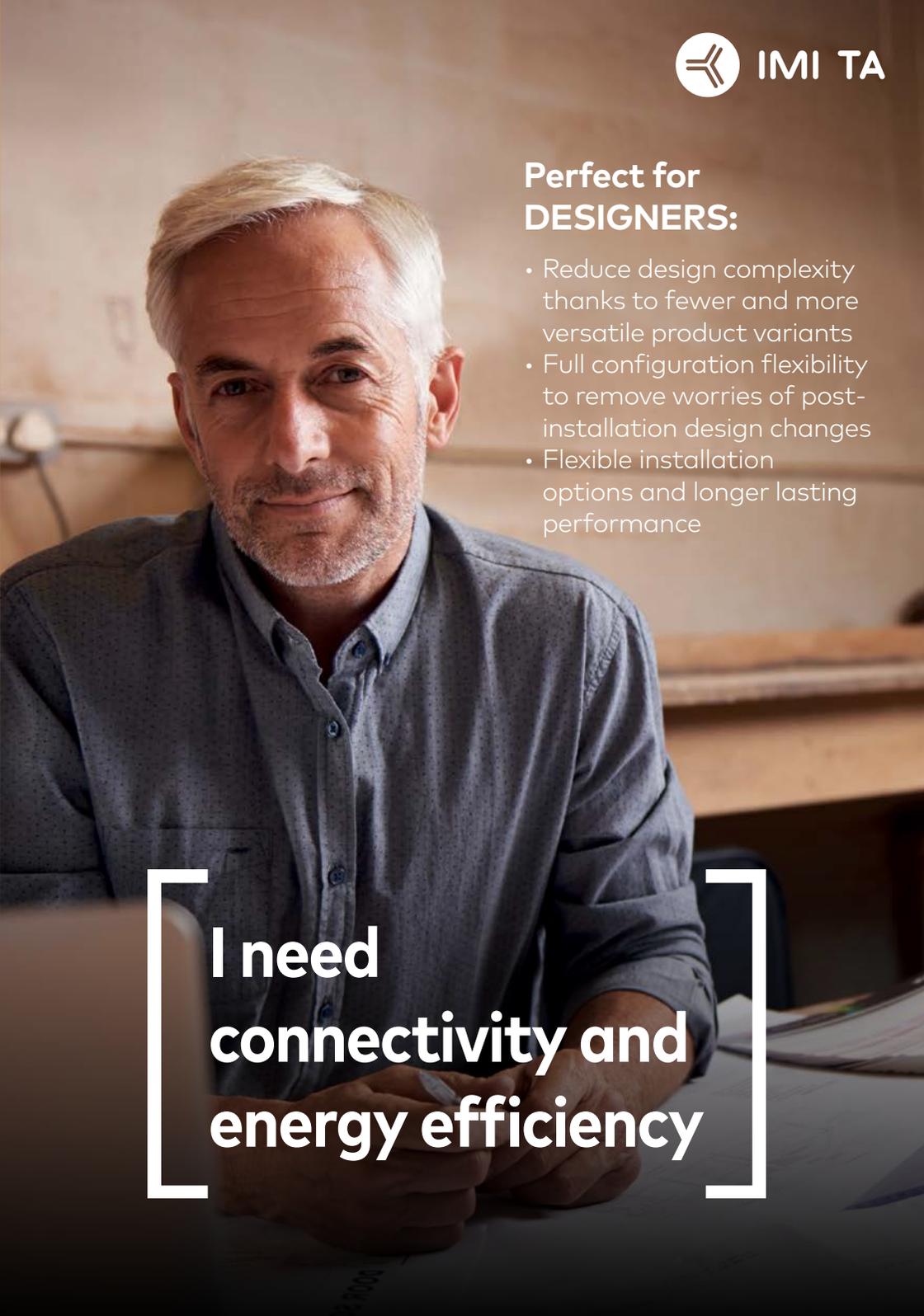
- Save costs and avoid delays with up to 50% faster commissioning in comparison with conventional actuators
- Digitally set up actuator configurations - even without BUS communication
- On-site adaptability to real system conditions and mounting in space-restricted areas



**I want reliable
and adaptable
control solutions**

Perfect for DESIGNERS:

- Reduce design complexity thanks to fewer and more versatile product variants
- Full configuration flexibility to remove worries of post-installation design changes
- Flexible installation options and longer lasting performance



**I need
connectivity and
energy efficiency**

TA-Slider 160 & 500

For valves requiring adjusting force up to 160N or 500N

Color LED indicators.

Violet for error-detection and Red-Blue for easy recognition of heating / cooling mode in changeover systems



Universal connectivity M30x1,5
Small terminal unit standard:
compatible with all IMI TA valves



Electronic fail-safe function available



Reduction in commissioning time



Efficient digital configuration with smartphone (via TA-Dongle and HyTune app) or through the BMS



Installation flexibility and high longevity



10 times more setting parameters for flexible installation options



Fast fault detection with tracking of operation statistics and last 10 errors



Versions available with halogen free cable

Red-Green LED indicator for easy recognition of operating status

Manual override in just 5 turns for easier maintenance



BUS versions available:



BUS versions available:



TA-Slider 750 & 1250

For valves requiring adjusting force up to 750N or 1250N

TA-Dongle

Digitally configure TA-Sliders without BUS communication



Micro USB connection



TA-Dongle is compatible with the full **TA-Slider Range**: TA-Slider 160, 500, 750 and 1250.

TA-Slider is the only range of actuators that allow you to digitally view and control your actuator settings thanks to TA-Dongle

UNIQUE

HyTune app

Mobile application to configure TA-Slider without BUS Communication

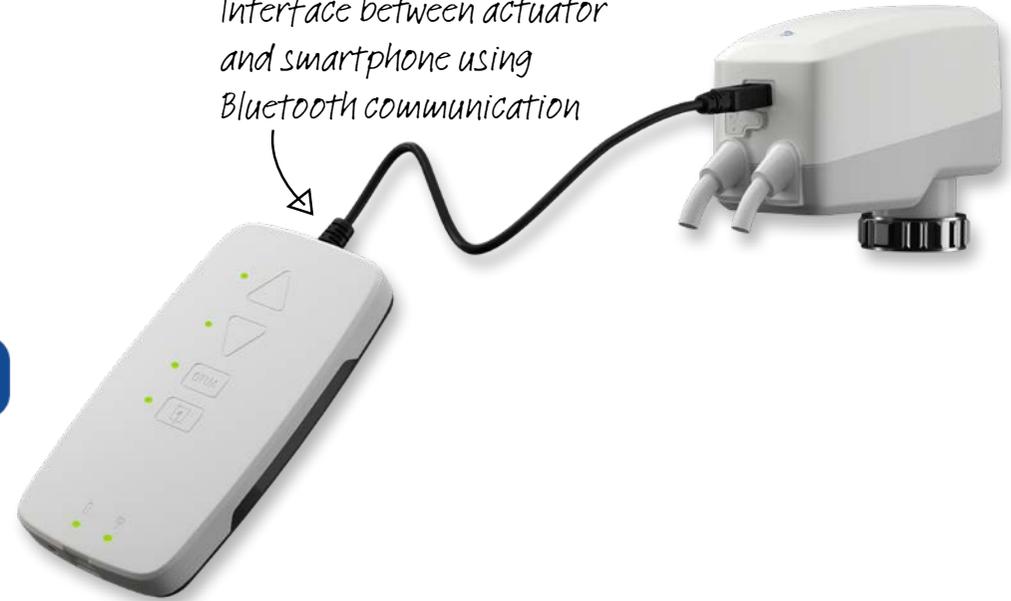
Automatic detection of TA-Slider type

Enables comfortable set-up of TA-Slider even on hard to reach or poorly lit environments

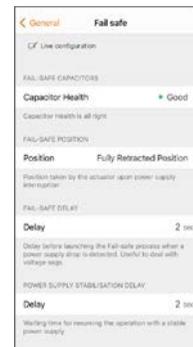
Intuitive and easy to use



TA-Dongle enables interface between actuator and smartphone using Bluetooth communication



Full digital configuration of all actuator parameters:



Fail-Safe Parameters



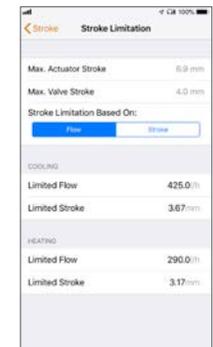
Input signal



Dual-range input signal for heating-cooling changeover



Programmable binary input



Possibility to limit flow or Kv value (can be activated by binary input)

And much more:

- overview of actual operating statuses & statistics
- output signal
- type of calibration mode
- error safe position etc.

HyTune app is available on AppStore or GooglePlay



TA-Slider 160 & 500

Range Overview and Compatible IMI TA valves

TA-Slider versions	TA-Slider versions for Non-BUS Systems	TA-Slider versions for BUS Communication Systems	Compatible IMI TA valves*								
			Stroke (max.) [mm]	Adjusting Force [N]	TBV-C	TBV-CM	TA-COMPACT-P	TA-Modulator DN 15-20	TA-Modulator DN 25-32	TA-Modulator DN 40-50	KTM 512 DN 15-50
TA-Slider 160	 <p>Std I/O CO Plus Fail-safe I/O Fail-Safe R24</p>	 <p>KNX KNX R24 ModBus ModBus CO BACnet BACnet CO</p>	6.9	160 / 200	✓	✓	✓	✓	✓		
TA-Slider 500	 <p>Std I/O Plus Fail-safe I/O Fail-Safe R24</p>	 <p>ModBus ModBus R24 BACnet BACnet R24</p>	16.2	500 (push) 300 (pull)						✓	✓

*Please consider the static pressure value for final valve & actuator selection

TA-Slider 160 & 500

TA-Slider versions and article numbers

CONTROL SYSTEM TYPE	SYSTEM VOLTAGE	TYPE OF SYSTEM COMMUNICATION	BUS COMMUNICATION	ACTUATOR FEATURES				TA-SLIDER VERSION	TA-SLIDER ARTICLE NUMBER (WITH 1M CABLE LENGTH**)	
				Input Signal 0(2)-10 VDC	Output Signal 0(2)-10 VDC	Binary Input	Relay		TA-Slider 160	TA-Slider 500
Modulating / Proportional	24 VAC/VDC	Non-BUS Comms		✓				Std	322224-10111	322225-10111
				✓	✓	✓		I/O	322224-10411	322225-10411
				✓	✓	✓		Fail-safe I/O	322224-10614 	322225-10614 
				✓	✓	✓	230V ✓	Plus	322224-10211	322225-10211
				✓	✓	✓	24V ✓	Fail-safe R24	322224-10714 	322225-10714 
		BUS Comms	Modbus RTU	✓		✓	24V ✓	Modbus R24		322225-12314 
				✓		✓		Modbus	322224-12011 	322225-12011 
			BACnet MS/TP	✓		✓	24V ✓	BACnet R24		322225-13314 
		✓			✓		BACnet	322224-13011 	322225-13011 	
		KNX			✓	24V ✓	KNX R24	322224-01301		
					✓		KNX	322224-01001		
		Changeover System	24 VAC	Non-BUS Comms		✓	✓	✓	24V ✓	CO*
BUS Comms	Modbus RTU			✓		✓	24V ✓	Modbus CO*	322224-12514 	
	BACnet MS/TP			✓		✓	24V ✓	BACnet CO*	322224-13514 	

* With „Click and connect“ feature for effortless integration with rotary actuator of the TA-6-way valve

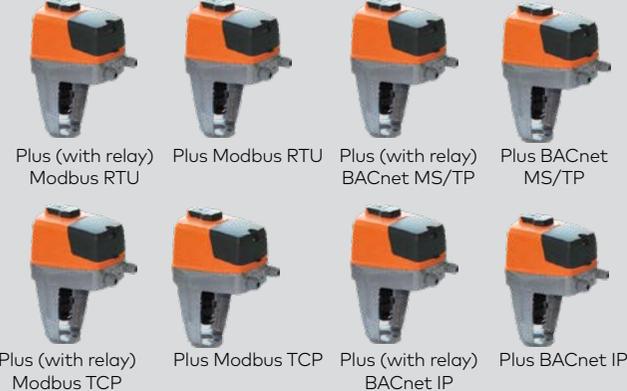
** Article numbers will differ according to cable length. Available with 1, 2, or 5m cable length.



Version only available with Halogen free cable

TA-Slider 750 & 1250

Range Overview and Compatible IMI TA valves

TA-Slider versions	TA-Slider versions for Non-BUS Systems	TA-Slider versions for BUS Communication Systems	Compatible IMI TA valves*				
			Stroke (max.) [mm]	Adjusting Force [N]	TA-Modulator DN 65-80	TA-Modulator DN 100-125	KTM 512 DN 65-125
TA-Slider 750	 <p>Std Plus</p> <p>Fail-Safe Plus/24V (with relay) Fail-Safe Plus/HV (with relay)</p>	 <p>Plus (with relay) Modbus RTU Plus Modbus RTU Plus (with relay) BACnet MS/TP Plus BACnet MS/TP</p> <p>Plus (with relay) Modbus TCP Plus Modbus TCP Plus (with relay) BACnet IP Plus BACnet IP</p>	22	750	✓	✓	✓
TA-Slider 1250	 <p>Std Plus</p> <p>Fail-Safe Plus/24V (with relay) Fail-Safe Plus/HV (with relay)</p>	 <p>Plus (with relay) Modbus RTU Plus Modbus RTU Plus (with relay) BACnet MS/TP Plus BACnet MS/TP</p> <p>Plus (with relay) Modbus TCP Plus Modbus TCP Plus (with relay) BACnet IP Plus BACnet IP</p>	22	1250		✓	✓

*Please consider the static pressure value for final valve & actuator selection

TA-Slider 750 & 1250

TA-Slider versions and article numbers

CONTROL SYSTEM TYPE	SYSTEM VOLTAGE	TYPE OF SYSTEM COMMUNICATION	BUS COMMUNICATION	PHYSICAL LAYER	ACTUATOR FEATURES						TA-SLIDER VERSION	TA-SLIDER ARTICLE NUMBER		
					Input Signal 0(2)-10 VDC	Output Signal 0(2)-10 VDC	Input Signal 0(4)-20 mA	Output Signal 0(4)-20 mA	Binary Input	2 Relays		TA-Slider 750	TA-Slider 1250	
Modulating / proportional / On-off / 3 point control	24 VAC/VDC	Non-BUS Comms			✓	✓	✓				Std	322226-10110	322227-10110	
					✓	✓	✓	✓	✓	230V ✓	Plus	322226-10219	322227-10219	
					✓	✓	✓	✓	✓	230V ✓	Fail-Safe Plus/24V (with relay)	322226-10319	322227-10319	
		with BUS Comms	Modbus	RS 485	✓	✓	✓				Plus Modbus RTU	322226-12210	322227-12210	
					✓	✓	✓	✓	✓	230V ✓	Plus (with relay) Modbus RTU	322226-12219	322227-12219	
				Ethernet	✓	✓	✓				Plus Modbus TCP	322226-14210	322227-14210	
			✓		✓	✓	✓	✓	230V ✓	Plus (with relay) Modbus TCP	322226-14219	322227-14219		
			BACnet	RS 485	✓	✓	✓				Plus BACnet MS/TP	322226-13210	322227-13210	
					✓	✓	✓	✓	✓	230V ✓	Plus (with relay)	322226-13219	322227-13219	
		Ethernet		✓	✓	✓				BACnet MS/TP	322226-16210	322227-16210		
			✓	✓	✓	✓	✓	230V ✓	Plus (with relay) BACnet IP	322226-16219	322227-16219			
		100-240 VAC/VDC	Non-BUS Comms				✓	✓	✓				Std	322226-40110
	✓						✓	✓	✓	✓	230V ✓	Plus	322226-40219	322227-40219
	✓						✓	✓	✓	✓	230V ✓	Fail-Safe Plus/HV (with relay)	322226-40319	322227-40319
	BUS Comms		Modbus	RS 485	✓	✓	✓				Plus Modbus RTU	322226-42210	322227-42210	
					✓	✓	✓	✓	✓	230V ✓	Plus (with relay) Modbus RTU	322226-42219	322227-42219	
			Ethernet	✓	✓	✓				Plus Modbus TCP	322226-44210	322227-44210		
	✓	✓		✓	✓	✓	230V ✓	Plus (with relay) Modbus TCP	322226-44219	322227-44219				
BACnet	RS 485	✓	✓	✓				Plus BACnet MS/TP	322226-43210	322227-43210				
		✓	✓	✓	✓	✓	230V ✓	Plus (with relay) BACnet MS/TP	322226-43219	322227-43219				
	Ethernet	✓	✓	✓				Plus BACnet IP	322226-46210	322227-46210				
✓		✓	✓	✓	✓	230V ✓	Plus (with relay) BACnet IP	322226-46219	322227-46219					

TA-Slider + TA-Modulator

Linear Actuator + PIBCV for modulating control that are fully configurable via your smartphone.

TA-Slider 160 and
TA-Modulator DN25

Unique EQM characteristic on the valve, which is not distorted by the change of applied differential pressure.

Optimized combination of EQM valve and linear actuator enables up to 6x higher operating stroke for better valve rangeability, even for small flows

Key technical data

- For systems with or without BUS communication
- Available in sizes DN 15-125

*in comparison to on-off control

**Upon testing of 3 competitors, their valve characteristics were all sensitive to low differential pressure; which is a synonym of poor valve authority.

*Modulating control reduces temperature oscillations and pumping costs helping to reach up to 18% annual energy savings**



TA-Slider 500 and
TA-Modulator DN40



TA-Slider 750 and
TA-Modulator DN80



TA-Slider 1250 and
TA-Modulator DN125



TA-Slider + TA-Modulator

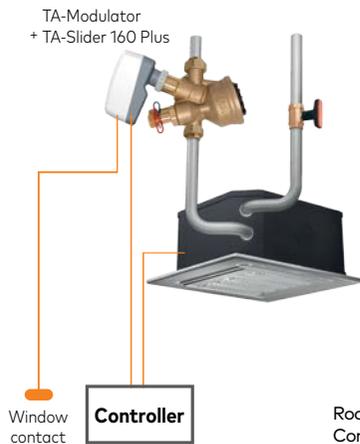
Typical Applications

TA-Slider connects TA-Modulator to all BMS systems to ensure only the necessary amount of energy is delivered to keep the temperature constant - without oscillations.

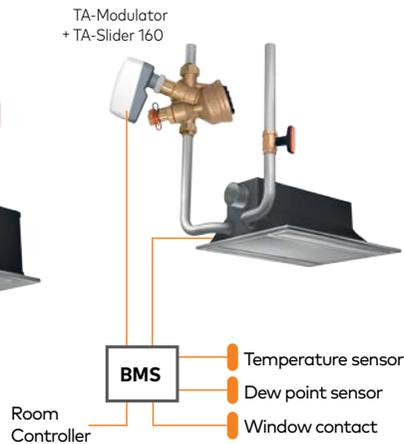
Further energy savings can be achieved thanks to TA-Slider's digitally programmable binary input.

**TA-Slider + TA-Modulator =
the perfect match**

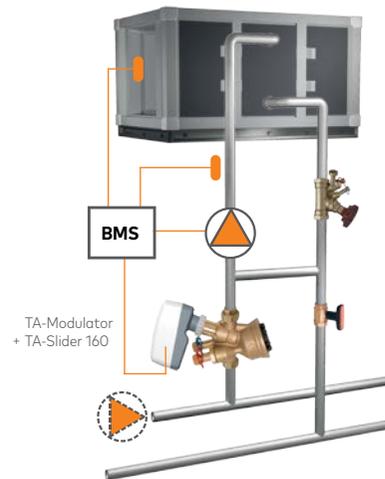
The combination of the linear actuator with a valve with EQM characteristic offsets the non-linear characteristic of the terminal units **enabling a very stable control of the power output and energy efficiency.**



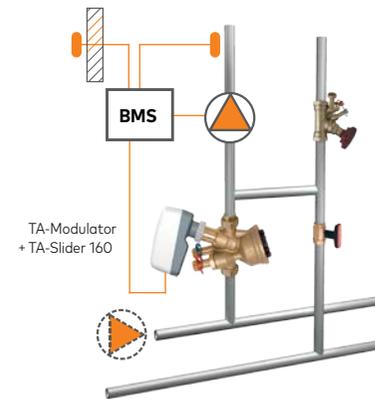
Fan-coils



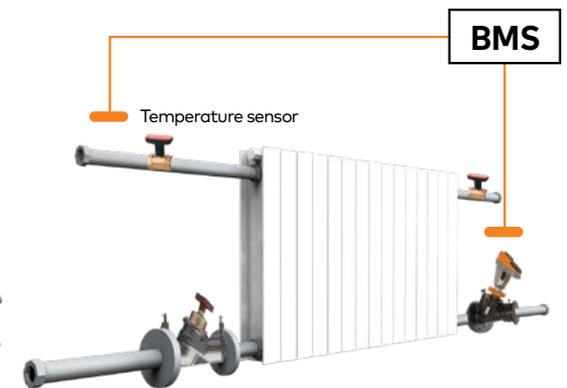
Chilled beams



Air handling units



Pressure independent mixing circuits



Heat Exchanger

TA-Slider + TA-6-way valve

Changeover solution between heating and cooling in 4-pipe systems that is fully configurable via your smartphone.

TA-M106 actuator enables switch between the heating and cooling network in one device



TA-6-way valve prevents leakages thanks to male connection

The "click and connect" feature of the TA-Slider 160 CO enables effortless electrical connection with the TA-M106 actuator.



PIBC TA-Modulator with EQM characteristic allows for precise modulating of flow between the cooling and heating network

HyTune app enables digital configuration of system parameters to control changeover between heating and cooling – even if swapped during installation



TA-Dongle enables the interface between TA-Slider and smartphone for digital configuration via the HyTune app



Key technical data

- For systems with or without BUS communication
- Available in sizes DN 15-20

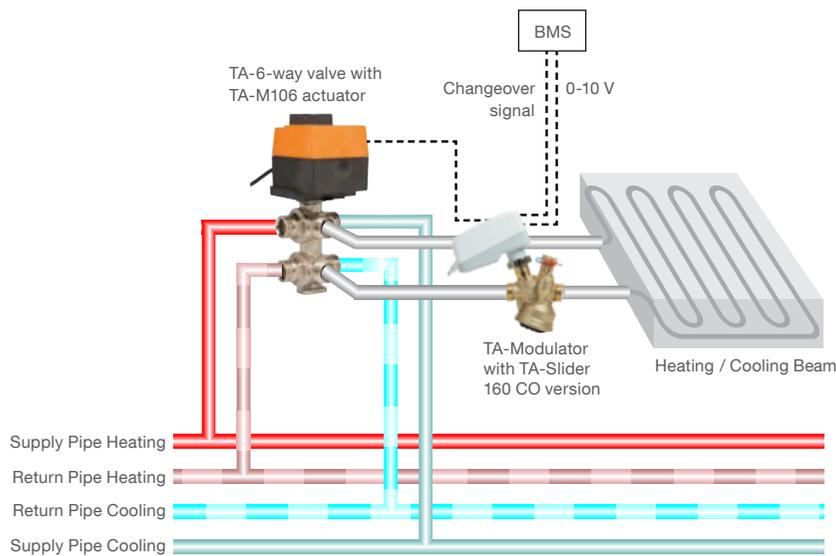
TA-Slider + TA-6-way valve

Typical Applications

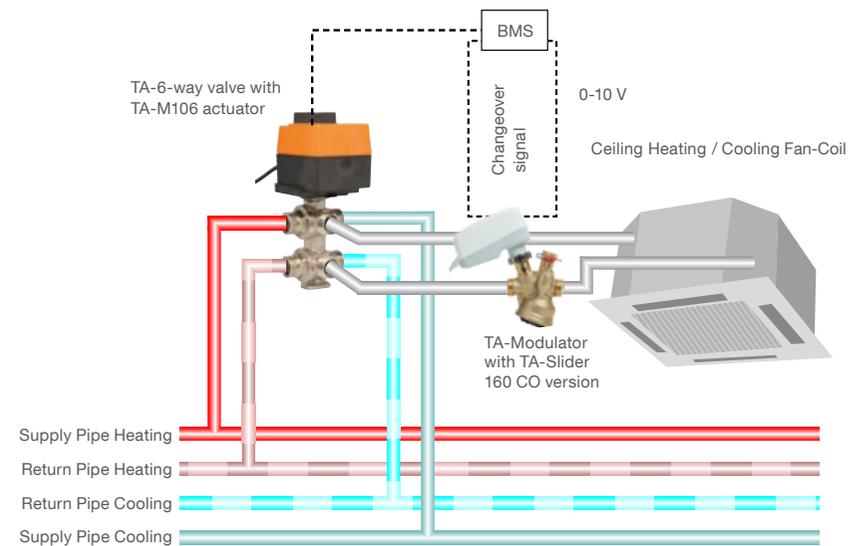
The TA-6-way valve switches between the heating and cooling functions controlled by the BMS signal, or for non-BUS systems, by the TA-Slider digital configuration parameters.

**TA-Slider + TA-6-way valve =
Highly precise and flexible
control, with no risk of cross-flow**

Access easy balancing, commissioning, troubleshooting and diagnostics all thanks to digital configuration and control.



**Changeover solution with two control signals and
Beam Terminal Unit**



**Changeover solution with three control signals
and Fan-coil Terminal Unit**

An extensive range of actuators

with functions for all your HVAC systems' needs



TA-Slider 160
Std version
I/O version
KNX version



TA-Slider 160
CO version
Plus version
KNX R24



TA-Slider 160
Fail-Safe I/O
Fail-Safe R24



TA-Slider 160
With BUS communication



TA-Slider 500
Std version
I/O version



TA-Slider 500
Fail-Safe I/O
Fail-Safe R24



TA-Slider 500
Plus version



TA-Slider 500
with BUS communication



TA-Slider 750
Std version



TA-Slider 750
Plus (std)
Fail-Safe
Plus/24V or HV



TA-Slider 750
Plus (with relays)
with or without BUS
Communication
Fail-safe Plus (with relays)



TA-Slider 1250
Std version



TA-Slider 1250
Plus (std)
Fail-Safe
Plus/24V or HV



TA-Slider 1250
Plus (with relays)
with or without BUS
Communication
Fail-safe Plus (with relays)



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