

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



BUS versions available:



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:



TA-Slider 750 & 1250

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

TA-Dongle

Digitally configure TA-Sliders without BU  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

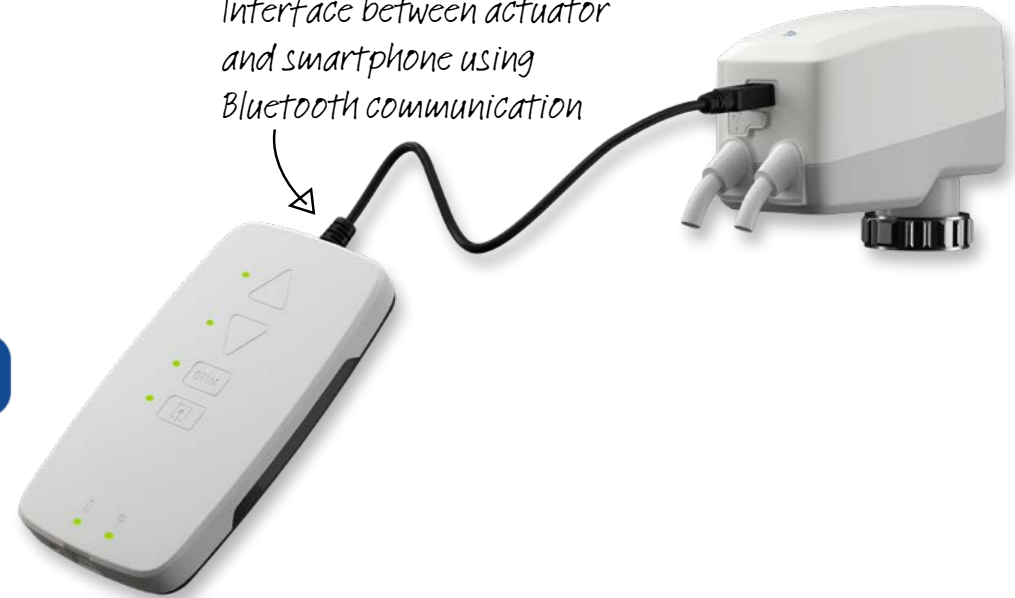
HyTune app

Mobile application to configure TA-Slider without BUS Communication

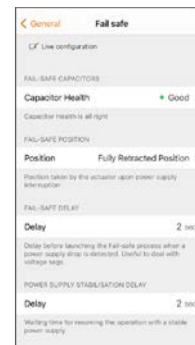
Automatic detection of TA-Slider type

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

Intuitive and easy to use



Full digital configuration of all actuator parameters:



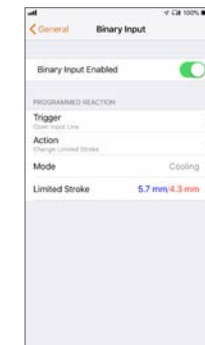
Fail-Safe Parameters



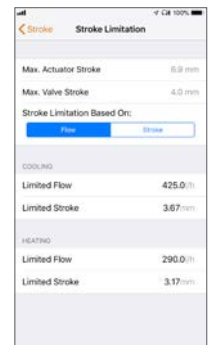
Input signal



Dual-range input signal for heating-cooling changeover



Programmable binary input



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

HyTune app is available on AppStore or GooglePlay



GET IT ON
Google play






















Available on the
App Store

And much more:

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

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	 Std  I/O  CO  Plus  Fail-safe I/O  Fail-Safe R24	 KNX  KNX R24  ModBus  ModBus CO  BACnet  BACnet CO	6.9	160 / 200	✓	✓	✓	✓	✓	
TA-Slider 500	 Std  I/O  Plus  Fail-safe I/O  Fail-Safe R24	 ModBus  ModBus R24  BACnet  BACnet R24	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*	322224-10511	
		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	 Std  Plus  Fail-Safe Plus/24V (with relay)  Fail-Safe Plus/HV (with relay)	 Plus (with relay) Modbus RTU  Plus Modbus RTU  Plus (with relay) BACnet MS/TP  Plus BACnet MS/TP  Plus (with relay) Modbus TCP  Plus Modbus TCP  Plus (with relay) BACnet IP  Plus BACnet IP	22	750	✓	✓	✓
			22	1250		✓	✓
TA-Slider 1250	 Std  Plus  Fail-Safe Plus/24V (with relay)  Fail-Safe Plus/HV (with relay)	 Plus (with relay) Modbus RTU  Plus Modbus RTU  Plus (with relay) BACnet MS/TP  Plus BACnet MS/TP  Plus (with relay) Modbus TCP  Plus Modbus TCP  Plus (with relay) BACnet IP  Plus BACnet IP	22	1250		✓	✓
			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	322227-40110
					✓	✓	✓	✓	✓	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 ERM characteristic on
the valve, which is not distorted
by the change of applied
differential pressure.*

*Optimized combination of ERM
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 synonymous 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

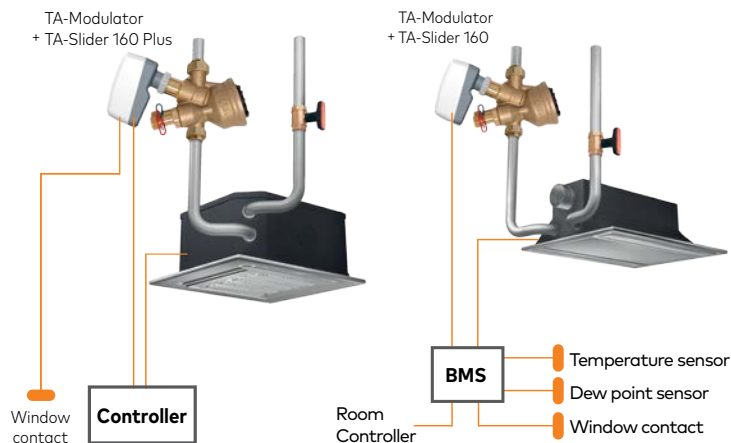
Typical Applications

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.

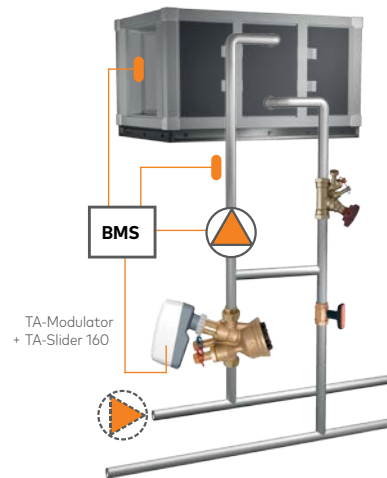
**TA-Slider + TA-Modulator =
the perfect match**

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.**

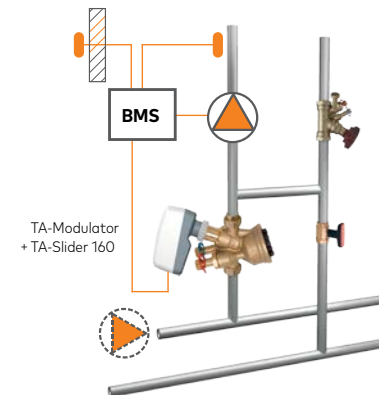


Fan-coils

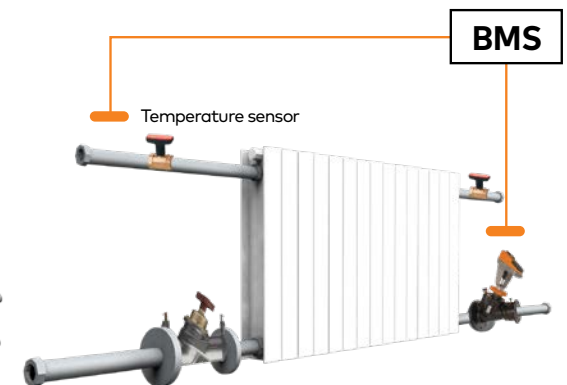
Chilled beams



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 V 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

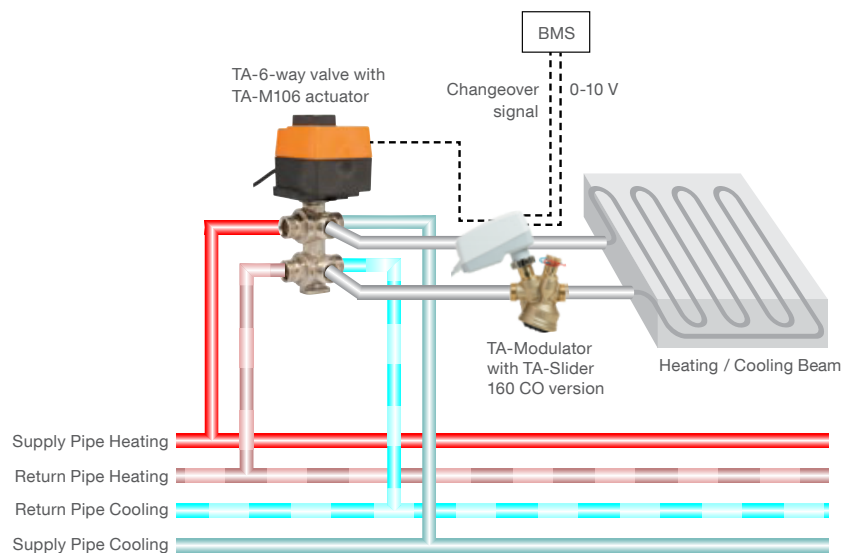
TA-Slider + TA-6-way valve

Typical Applications

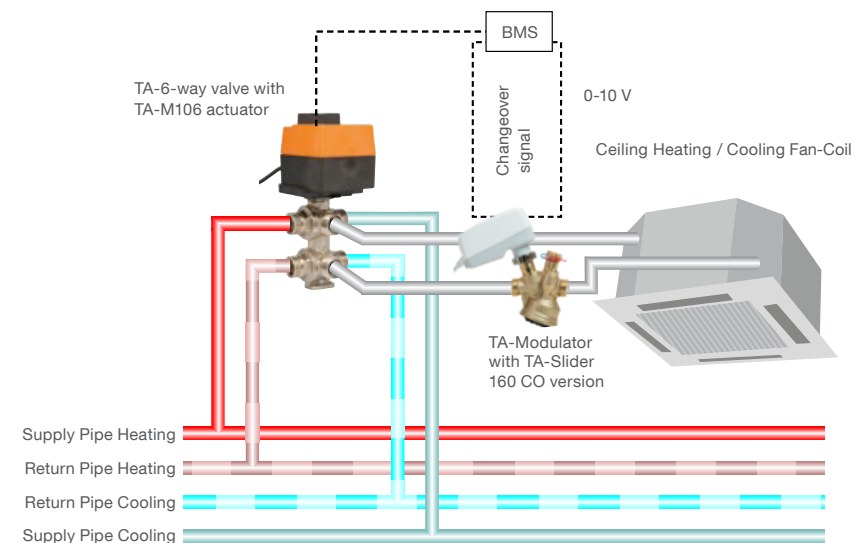
The TA-6-way valve switches between the heating and cooling functions controlled by the BMS signal, or for non-BUS systems, by the TA-Slider digital configuration parameters.

**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)



EN 05/20