



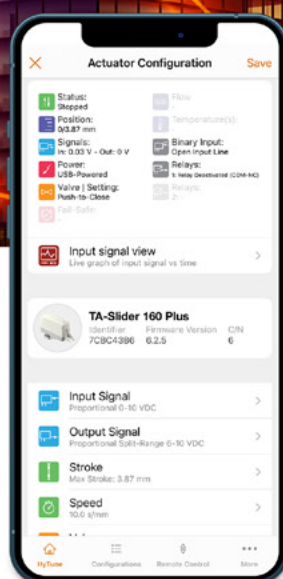
Complete range of linear actuators that give you full flexibility in design, control and installation.
Discover more



Compatible with
PIBCV valve sizes
DN10 to DN200

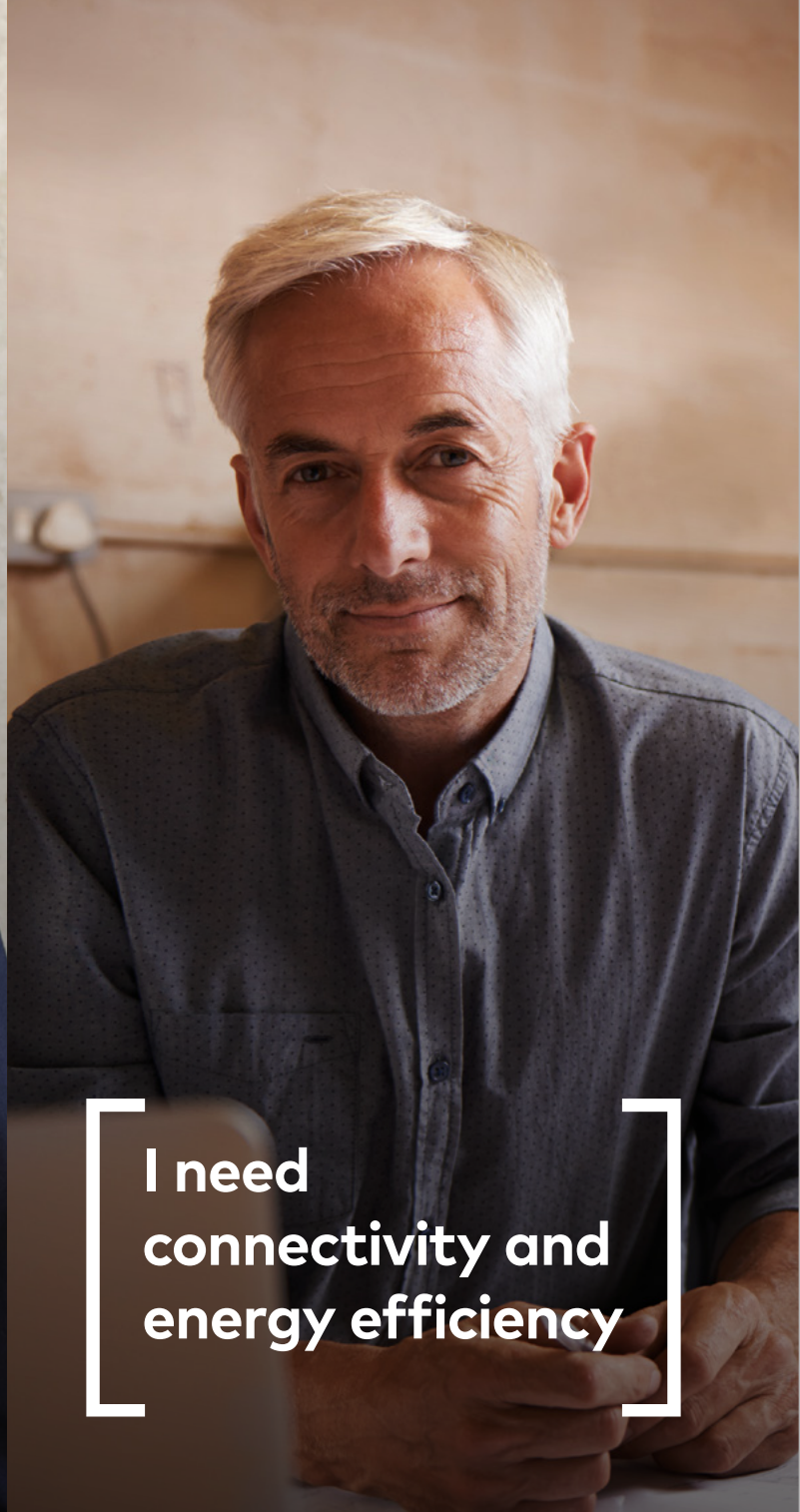
TA-Slider

Digital Control –
Smart Performance





I want reliable
and adaptable
control solutions



I need
connectivity and
energy efficiency

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

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



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

TA-Slider 750 & 1600

For valves requiring adjusting
force up to 750N or 1600N

Red-Green LED
indicator for easy
recognition of
operating status

Manual override in just 5
turns for easier maintenance



**BUS
versions
available:**



TA-Dongle

Digitally configure TA-Sliders without BUS communication

UNIQUE

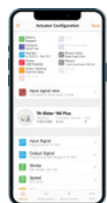
TA-Slider is the only range of actuators that allow you to digitally view and control your actuator settings thanks to TA-Dongle.

Moves actuator UP

Moves actuator DOWN

AUTO or MANUAL regime for easy and flexible actuator maintenance

Bluetooth signal for comfortable interface with smartphone and HyTune app



Micro USB connector cable

Micro USB connection



On/Off button

Green-red smart LEDs show actuator activities

Configuration button copies the last actuator settings and easily uploads it to several other actuators – helping to save up to 50% of commissioning time

Micro USB connector for charging

Battery life indicator

Internal battery allows setup of actuator in all circumstances, even without power supply

TA-Dongle is compatible with the full **TA-Slider Range**: TA-Slider 160, 500, 750 and 1600.

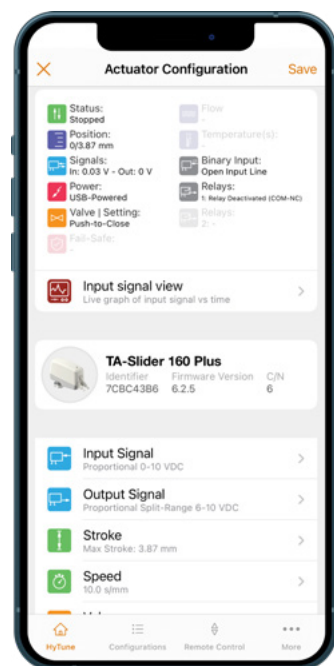
HyTune app



WATCH THE VIDEO

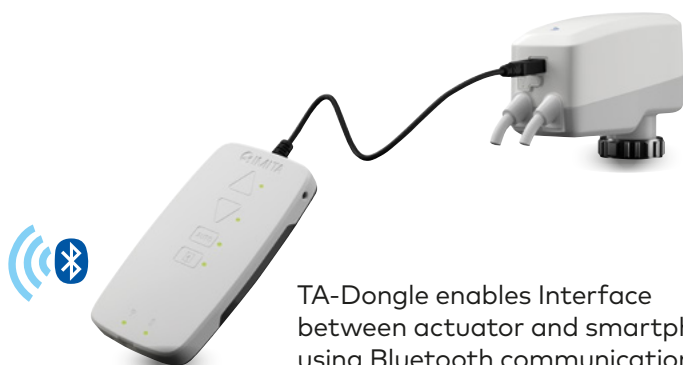
HyTune and TA-Dongle
Tutorial for TA-Slider
actuators

Mobile application to configure TA-Slider without BUS Communication



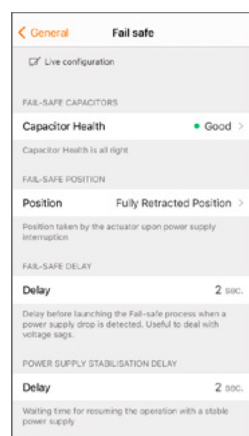
- Automatic detection of TA-Slider type
- Enables comfortable set-up of TA-Slider even on hard to reach or poorly lit environments
- Intuitive and easy to use

HyTune app is available
on AppStore or GooglePlay

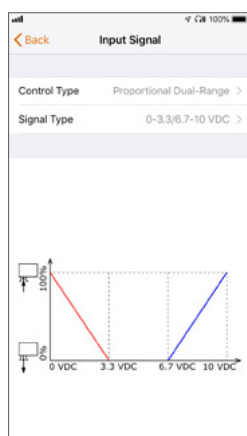


TA-Dongle enables Interface
between actuator and smartphone
using Bluetooth communication

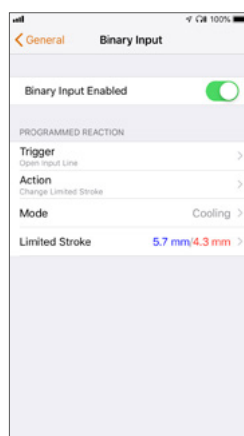
Full digital configuration of all actuator parameters



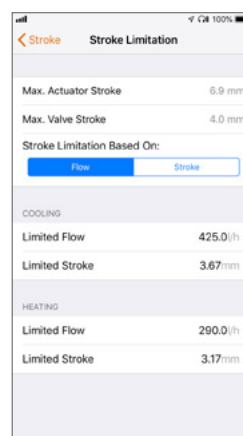
Fail-Safe
Parameters



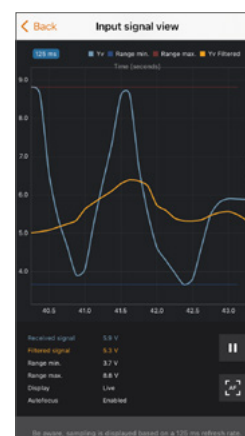
Input signal or dual-
range input signal
for heating-cooling
changeover



Programmable
binary input



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
























Input signal
quality with
oscilloscope
function

And much more:

- Overview of actual operating statuses & statistics
- Output signal
- Type of calibration mode
- Error safe position

TA-Slider 160 & 500













Range Overview and Compatible IMI TA valves

TA-Slider versions		TA-Slider 160	TA-Slider 500
TA-Slider versions for Non-BUS Systems		 Std  I/O  CO  Plus  Fail-safe I/O  Fail-Safe R24	 Std  I/O  Plus  Fail-safe I/O  Fail-Safe R24
	TA-Slider versions for BUS Communication Systems	 KNX  KNX R24  ModBus  ModBus CO  BACnet  BACnet CO	 ModBus  ModBus R24  BACnet  BACnet R24
Compatible IMI TA valves*	Stroke (max.) [mm]	6.9	16.2
	Adjusting Force [N]	160 / 200	500 (push) 300 (pull)
	TBV-C	✓	
	TBV-CM	✓	
	TA-Compact-P	✓	
	TA-Modulator DN 10-20	✓	
	TA-Modulator DN 25-32	✓	
	TA-Modulator DN 40-50		✓
	KTM 512 DN 15-50		✓

*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 O(2)-10 VDC	Output Signal O(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	
	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 & 1600

Range Overview and Compatible IMI TA valves

TA-Slider versions		TA-Slider 750	TA-Slider 1600
TA-Slider versions for Non-BUS Systems		 Std  Plus  Fail-Safe Plus/24V (with relay)  Fail-Safe Plus/HV (with relay)	 Std  Plus  Fail-Safe Plus/24V (with relay)  Fail-Safe Plus/HV (with relay)
TA-Slider versions for BUS Communication Systems		 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	 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
Compatible IMI TA valves*	Stroke (max.) [mm]	22	33
	Adjusting Force [N]	750	1600
	TA-Modulator DN 65-125	✓	
	TA-Modulator DN 100**-200		✓
	KTM 512 DN 65-125	✓	✓

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

**TA-Slider 1600 is required for DN100 and DN125 if the pressure is higher than 4 bar

TA-Slider 750 & 1600

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 1600
Modulating / proportional / On-off / 3 point control	24 VAC/VDC	Non-BUS Comms			✓	✓	✓				Std	322226-10110	322228-10110
					✓	✓	✓	✓	✓	230V ✓	Plus	322226-10219	322228-10219
					✓	✓	✓	✓	✓	230V ✓	Fail-Safe Plus/24V (with relay)	322226-10319	322228-10319
		with BUS Comms	Modbus	RS 485	✓	✓	✓				Plus Modbus RTU	322226-12210	322228-12210
					✓	✓	✓	✓	✓	230V ✓	Plus (with relay) Modbus RTU	322226-12219	322228-12219
					✓	✓	✓				Plus Modbus TCP	322226-14210	322228-14210
				Ethernet	✓	✓	✓	✓	✓	230V ✓	Plus (with relay) Modbus TCP	322226-14219	322228-14219
					✓	✓	✓				Plus BACnet MS/TP	322226-13210	322228-13210
				BACnet	RS 485	✓	✓	✓	✓	230V ✓	Plus (with relay)	322226-13219	322228-13219
						✓	✓	✓	✓	230V ✓	BACnet MS/TP	322226-16210	322228-16210
					Ethernet	✓	✓	✓	✓	230V ✓	Plus (with relay) BACnet IP	322226-16219	322228-16219
					✓	✓	✓	✓	✓	230V ✓			
	100-240 VAC/VDC	Non-BUS Comms			✓	✓	✓				Std	322226-40110	322228-40110
					✓	✓	✓	✓	✓	230V ✓	Plus	322226-40219	322228-40219
					✓	✓	✓	✓	✓	230V ✓	Fail-Safe Plus/HV (with relay)	322226-40319	322228-40319
		with BUS Comms	Modbus	RS 485	✓	✓	✓				Plus Modbus RTU	322226-42210	322228-42210
					✓	✓	✓	✓	✓	230V ✓	Plus (with relay) Modbus RTU	322226-42219	322228-42219
					✓	✓	✓				Plus Modbus TCP	322226-44210	322228-44210
				Ethernet	✓	✓	✓	✓	✓	230V ✓	Plus (with relay) Modbus TCP	322226-44219	322228-44219
					✓	✓	✓				Plus BACnet MS/TP	322226-43210	322228-43210
				BACnet	RS 485	✓	✓	✓	✓	230V ✓	Plus (with relay) BACnet MS/TP	322226-43219	322228-43219
						✓	✓	✓	✓	230V ✓	Plus BACnet IP	322226-46210	322228-46210
					Ethernet	✓	✓	✓	✓	230V ✓	Plus (with relay) BACnet IP	322226-46219	322228-46219
					✓	✓	✓	✓	✓	230V ✓			

TA-Slider + TA-Modulator

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

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

Key technical data

- For systems with or without BUS communication
- Available in sizes DN 10-200



Find out more
imi-hydronic.com



TA-Slider 500 and
TA-Modulator DN40



TA-Slider 750 and
TA-Modulator DN80



TA-Slider 1600 and
TA-Modulator DN125

*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.

TA-Slider + TA-Modulator



WATCH THE VIDEO

TA-Modulator Pressure Independent Balancing & Control Valve

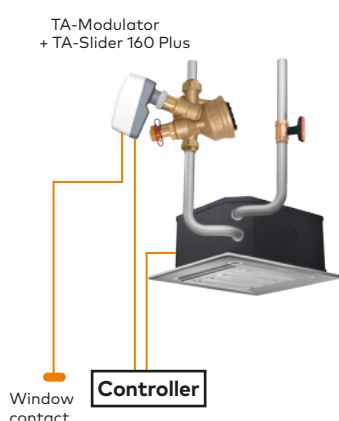
Typical Applications

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.

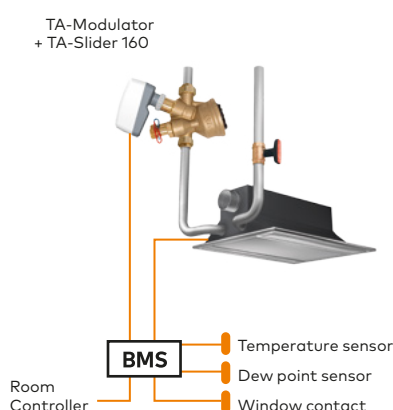
Further energy savings can be achieved thanks to TA-Slider's digitally programmable binary input.

TA-Slider + TA-Modulator = the perfect match

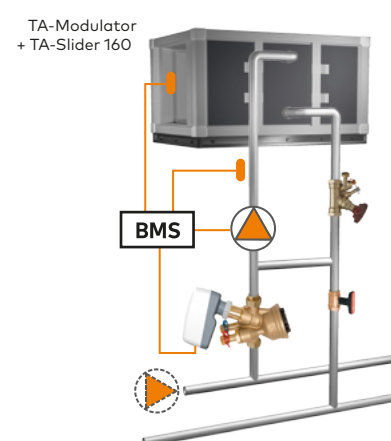
The combination of the linear actuator with a valve with EQM characteristic offsets the non-linear characteristic of the terminal units **enabling a very stable control of the power output and energy efficiency.**



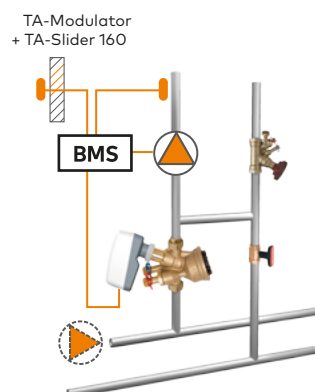
Fan-coils



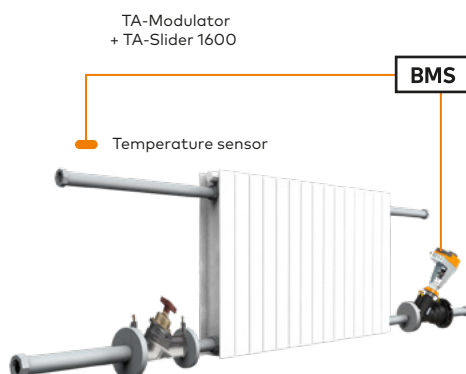
Chilled beams



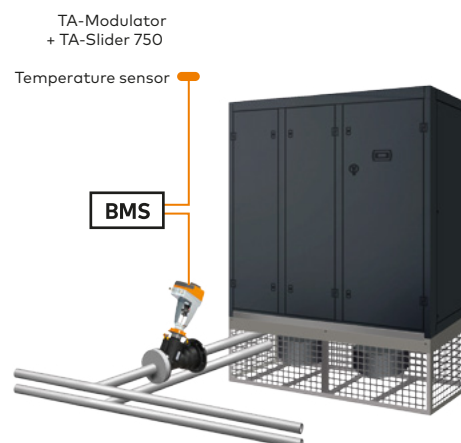
Air handling units



Pressure independent mixing circuits



Heat Exchanger



CRAC units

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

Key technical data

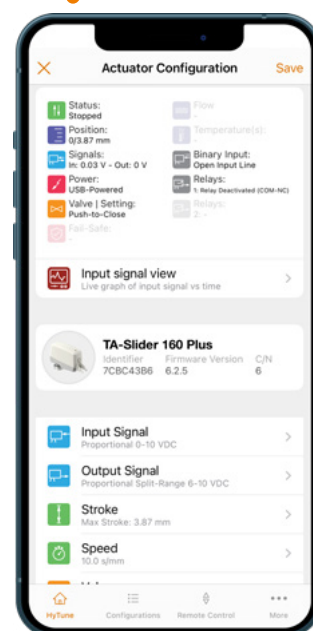
- For systems with or without BUS communication
- Available in sizes DN 15-20

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



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

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



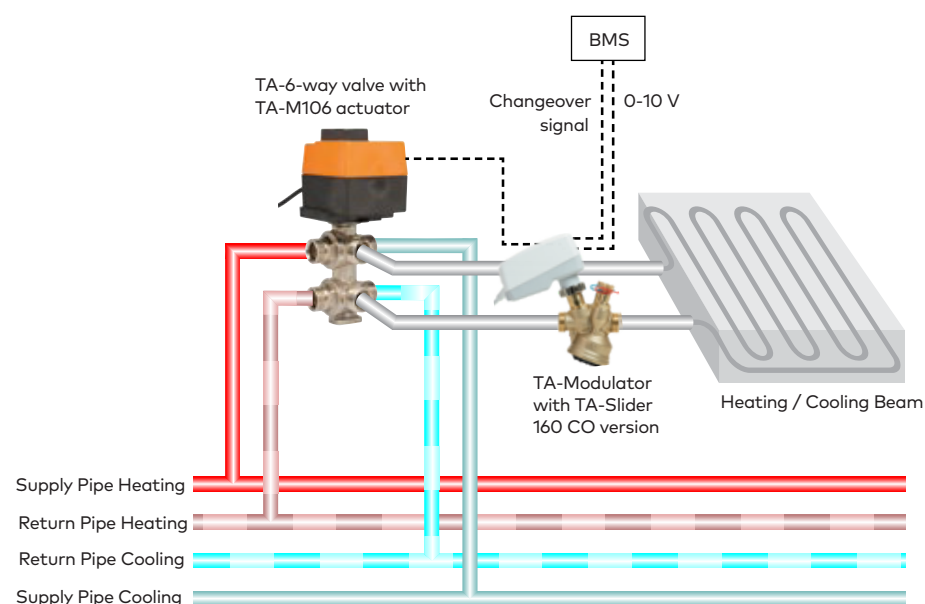
TA-Slider + TA-6-way valve

Typical Applications

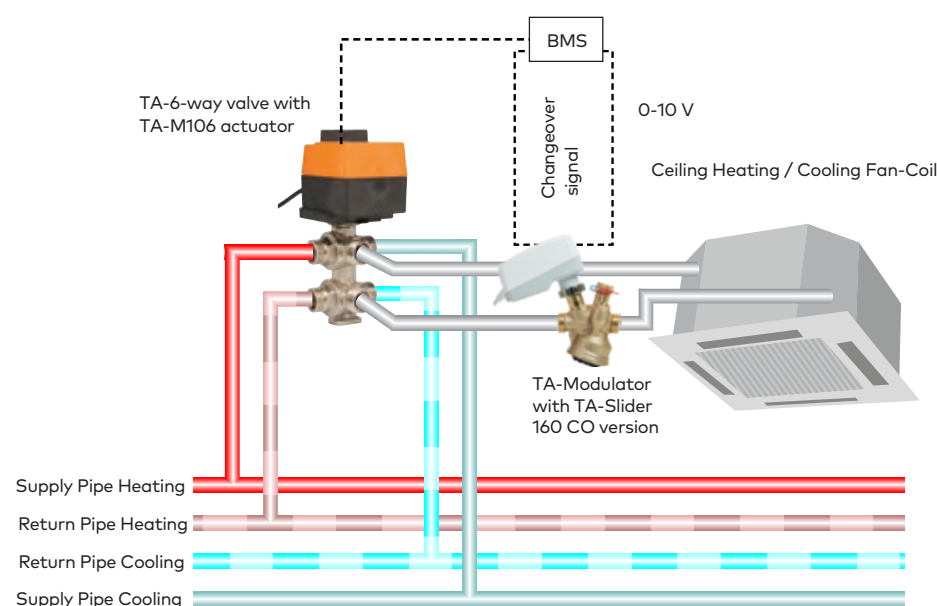
The TA-6-way valve switches between the heating and cooling functions controlled by the BMS signal, or for non-BUS systems, by the TA-Slider digital configuration parameters.

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

Find out more
imi-hydronic.com



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 1600
Std version



TA-Slider 1600
Plus (std)
Fail-Safe
Plus/24V or HV



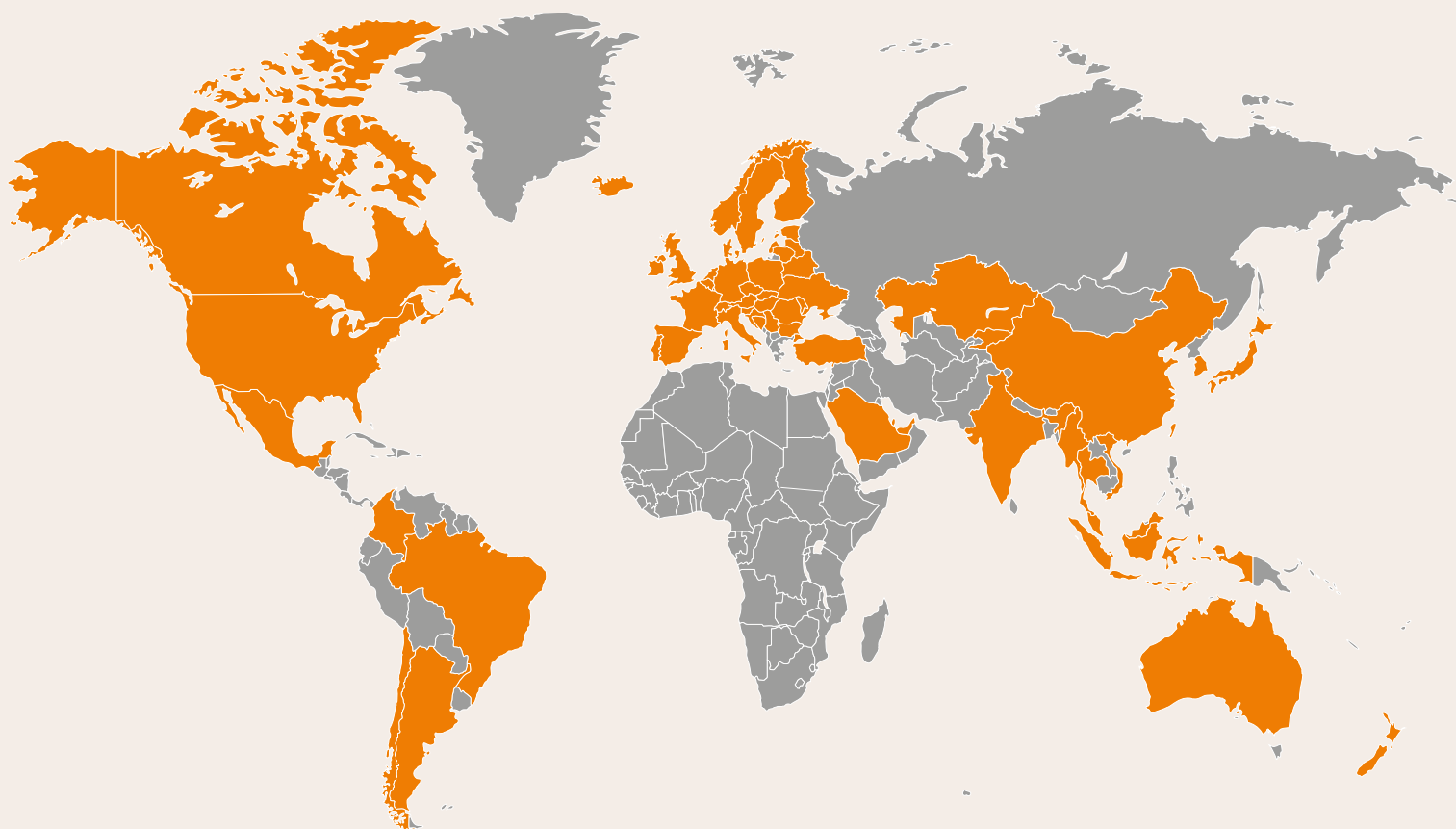
TA-Slider 1600  
Plus (with relays)
with or without BUS
Communication
Fail-safe Plus (with relays)

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We are operating in more than 33 countries, please get in touch with one of our local offices and our expert team will be happy to help you.



If you want to know more, please scan the QR code and fill in the online form and our expert team will answer all your questions.



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[imi-hydronic.com](https://www.imi-hydronic.com)

 IMI PNEUMATEX

 IMI TA

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