

UNI - 2P

FIRST ELECTRIC ACTUATORS

for 2-way and 3-way valves



2-POINT CONTROL	1 / 0	STOP AT END POSITIONS
-----------------	-------	-----------------------

ISO 5211

CLIP SYSTEM

QUICK FIT SYSTEM

EURONORM AXLE SYSTEM

FLEXIBLE HOLDER SYSTEM



FIRST actuators, series UNI, are 2-point actuators designed for operating 2-way and 3-way valves (DN 15 - DN 50).

- The FIRST UNI 2P actuators have defined direction of rotation (90° rotating angle).
- Actuators are available with cable connection with manual control handle, and are recommended for diverting applications.
- Actuators are equipped with adapters for mounting on various First valves and on other manufacturers of valves.

OPERATION

UNI 2P is an electric actuator designed for operating 2-way and 3-way valves. Actuators are controlled by 2-point SPST signal. FIRST UNI 2P actuators allow high regulating accuracy and easy installation with different mounting systems.

Actuators are available in 230 V AC 50 Hz or 24 V AC 50 Hz and are supplied with a 1m attached connection cable. Actuator can be manually operated with handle and button on the cover.

Actuators UNI 2P are recommended for diverting applications with FMV 130C / 130C, G-130, FBV 230C, FBV 830 and 3-way ISO 5211 valves. Actuators can also be used for on/off applications with 2-way FBV 600, FBV 200C, and 2-way ISO 5211 valve.

It is also equipped with mounting kits for assembling on mixing/diverting valves of other manufacturers: ESBE, LK, BARBERI, FEROTHERM, PAW, DANFOSS, BESSER, SELTRON, LOVATO, TUXHORN, STRAWA, IVAR, HONEYWELL.

MAINTENANCE

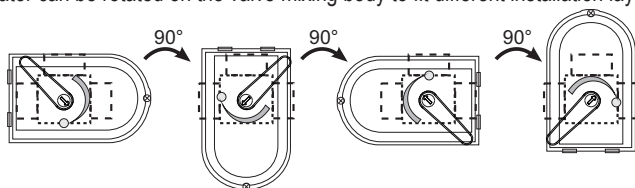
Actuator requires no maintenance. The installation of suitable strainer is recommended.

TECHNICAL DATA: ACTUATOR

Control:	2-point SPST
Supply voltage:	230 VAC, 50Hz / 24 VAC, 50Hz
Rotation time:	48s/90°, 73s/90°
Power consumption:	9 VA (operation), 5 VA (stand by), 0 VA (stand by relay off)
Max. Torque:	15 Nm
Protection class:	II
Enclosure rating:	IP44
Connection:	cable 1 m, 3 x 0,5 mm ²
Direction of rotation:	defined CW/CCW 90° angle
Manual operation:	handle and push button
Position indicator:	handle with position indicator
Media temperature:	+2°C..+110°C
Ambient temperature:	0°C..+55°C
Storage temperature:	-10°C..+70°C
Humidity:	0%..80% R.H. (non condensed)

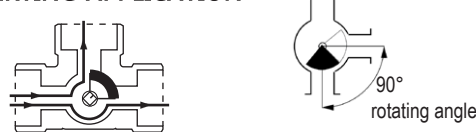
INSTALLATION POSITION

Actuator can be rotated on the valve mixing body to fit different installation layouts.



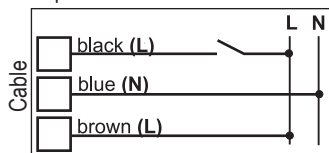
UNI 2P actuator with FMV 130C valves for diverting applications.

DIVERTING APPLICATION

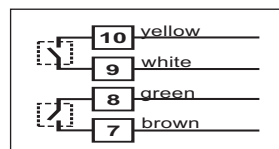


ELECTRICAL CONNECTION

2- point control SPST.



Optional: Two potential free output S2.



SUITABLE VALVES



CE In accordance with PED, LVD, RoHS2, EMC



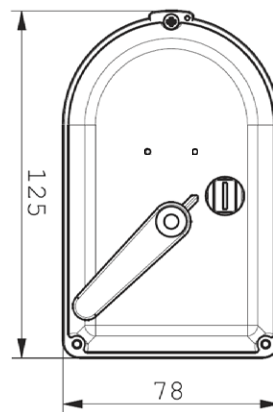
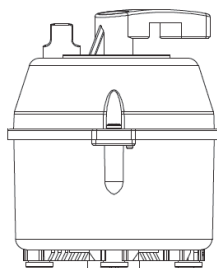
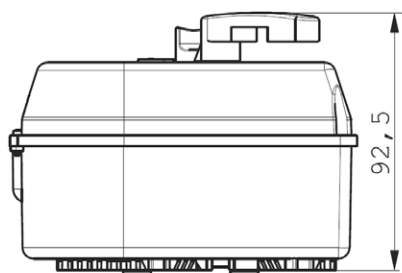
FIRST d.o.o.
Koroška cesta 56
SI-3320 Velenje
SLOVENIA

phone: +386 3 898 35 00
fax: +386 3 898 35 35
email: info@first.si
web: www.first.si

www.first.si
Let First be your first choice.



UNI - 2P

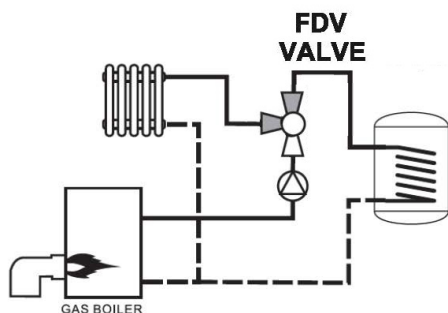


UNI 2P, for 2-way and 3-way valves (90° rotation)

Code	Type	Voltage	Rotation time	Control signal	Connection	Max. torque [Nm]	Weight [kg]	Price (€)
12581	UNI 2P	230 VAC 50 Hz	48s/90°	2-point SPST	Cable	15	0,67	
12582	UNI 2P	24 VAC 50 Hz	48s/90°	2-point SPST	Cable	15	0,67	
12583	UNI 2P	230 VAC 50 Hz	73s/90°	2-point SPST	Cable	15	0,67	
12584	UNI 2P	24 VAC 50 Hz	73s/90°	2-point SPST	Cable	15	0,67	

Installation examples

UNI 2P actuator with **FMV 130C** valves for diverting applications.



Features and options

- **Auxiliary switch:** two potential free auxiliary switches in the end position of the actuator is available as an option.
- **Power supply:** 230V 50Hz or 24V 50Hz
- **Different running times:** 48s/90°, 73s/90°.
- **Output signal (L):** at end position.
- **Solar/cooling adapter:** Heat barrier for protection of the actuator in solar or cooling systems.
- **Adapter kits:** Clip system / Euronorm axle system / Quick fit system / ISO 5211 / Flexible holder system

Adapter kits

Clip system

Code	Type
58039	Adapter set Clip

Euronorm axle system

Code	Type
58043	Adapter set Clip-Mix

Quick fit system

Code	Type
58034	Adapter set Euronorm

ISO 5211 system

Code	Type
20060	Adapter set Quick fit system

Flexible holder system

Code	Type
58021	Adapter set ISO

Code	Type
58000	Adapter set Flexible holder system

