

K274J THREE POINT FLOATING ACTUATOR FOR MIXING VALVE K297



Fig. 1 - K274Y022

Description

The actuator K274J controls the mixing valve K297 in heating and cooling systems.

The version K274Y022 three point floating can be controlled by Giacoklima KPM20 regulator.

Versions and product codes

Product code	Supply	Type
K274Y022	24 Vac	Three point floating

Technical data

Product code	K274Y022		
Actuator model	Three point floating		
Regulation type to be combined with	Giacoklima (KPM20)		
Supply	24 V; 50/60 Hz		
Control type	Automatic		
Thrust force	500 N \pm 20 %		
Maximum stroke	20 mm		
Nominal speed at 50 Hz	10 s/mm		
Absorption	2,7 VA		
Protection class	IP40		
Storage temperature range	-20÷65 °C with not condensing R.H.		
Room temperature range of operation	-5÷55 °C with not condensing R.H.		
Maximum differential pressure in combination with mixing valves			
Mixing valve product code	DN	Threaded connections	Maximum differential pressure (kPa)
K297Y004	20	3/4"	950
K297Y005	25	1"	595
K297Y006	32	1 1/4"	360
K297Y007	40	1 1/2"	235
K297Y008	50	2"	145

Operation

The actuator uses a synchronous reversible motor and a magnetic clutch to position the valve carefully.

The obtained thrust force is 500 N in both directions. When the signal will be removed, the closing will be maintained.

Installation

The three point floating actuator has to be mounted on the valves of the K297 series in horizontal or vertical position with the cover tuned upwards. It must be installed in dry, protected and easily accessible places for possible subsequent maintenance interventions.

Do not cover it with thermal insulating materials.



Fig. 2 - permitted installations

Electrical connections



Caution!
Make sure to remove the supply voltage while making the connections.



Caution!
Make and control the electrical connections before supplying the system. Short circuits or cables that are not correctly connected, could cause permanent damages to the electrical components of the actuator.

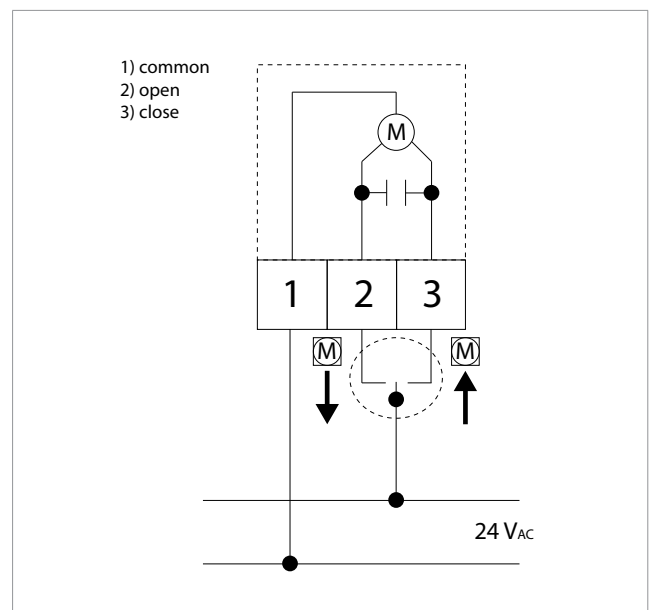


Fig. 3 - electrical connections

K274J THREE POINT FLOATING ACTUATOR FOR MIXING VALVE K297

Dimensions

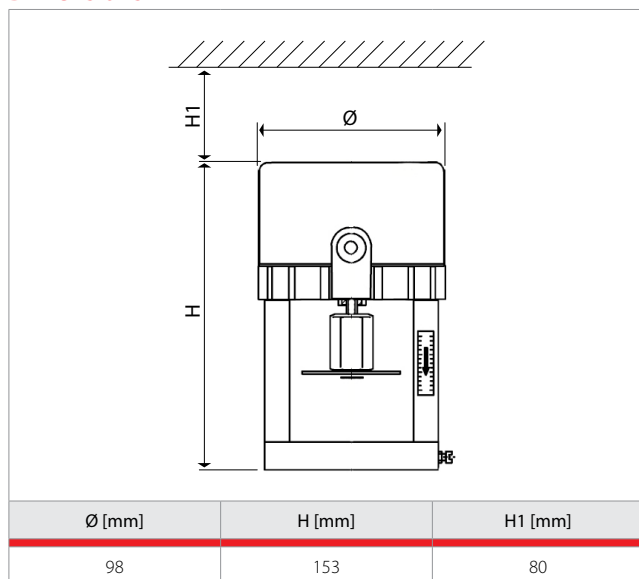


Fig. 4 – dimensions

Conformity

- CE mark
- Directive EMC 89/336/CEE
- Low Voltage Directive 73/23/CEE

Product specifications

K274Y022

Three point floating actuator for control of the K297 mixing valve. Supply 24 V; 50/60 Hz. Thrust force 500 N. Absorption 2,7 VA. Maximum stroke 20 mm. Nominal speed at 50 Hz: 10 s/mm. Protection class IP40. Room conditions of operation -5+55°C with not condensing R.H.. Storage conditions -20+65°C with not condensing R.H.. Dimensions: 153x98 mm (H x Ø). CE marked. Complying with Directives EMC 89/336/CEE and Low Voltage 73/23/CEE. To be controlled automatically by means of the KPM20 electronic regulator and Giacocl[®]lima thermoregulation.

Additional information

For additional information please check the Giacomini website at the following address: www.giacomini.com

- +39 0322 923 372
- +39 0322 923 255
- consulenza.prodotti@giacomini.com

This pamphlet is merely for information purposes. Giacomini S.p.A. retains the right to make modifications for technical or commercial reasons, without prior notice, to the items described in this pamphlet. The information described in this technical pamphlet does not exempt the user from following carefully the existing regulations and norms on good workmanship.

Giacomini S.p.A. Via per Alzo 39, I-28017 San Maurizio d'Opaglio (NO) Italy