



MTC

THERMOELECTRIC ACTUATOR LOW CONSUMPTION 230V OR 24V

Closed when power is off (NC)

Overview



Main features

- Control the opening and closing of the hydraulic valves
- You can view the position (open/closed) of the valve
- Maintaining on opening position during installation

Application

- Underfloor heating/cooling
- Control opening /closing of the water circuit
- Fan coil Unit

Product + points

- **Reliability** thanks to the high quality of its wax element, proved by more than 200.000 test cycles. This helps to master:
 - > Reduction of the total stroke
 - > Improvement of the response times
 - > Improvement of the power consumption
- **Convenient:** product has a small footprint
- Logo and cover markings **can be customized**

Functional specifications

Use

Control window for controlling the valve status, open or closed: as soon as the valve is open a red ring appears in the control window and indicates the valve status

Increased reliability: a metal coupling nut assures a maximum lifetime of your product

Régulation input

ON/OFF

Installation

Coupling nut in Nickel plated brass for safe mounting

No limitation for the installation position, **installation possible in all direction**

A 100 cm-long electrical connection cables helps to overcome electrical connection constraints

Marking area:	A specific marking area is provided in order to allow to installer to identify the working area of each thermal actuator
Maintaining on opening position during installation	The thermoelectric actuator is maintained in opened position until the first switch on, which ease mounting on manifold, avoiding effort
Valves compatibility	<ul style="list-style-type: none"> - The reference dimension of thermoelectric actuator is about 11 mm - The coupling nut has a standardized thread: M30 x 1.5



Technical specifications

Dimensional and finish specifications

Dimensions (en mm)		
Thread of the coupling nut	M30 X 1.5	
Finishing	Translucent frosted	
Net weight	110 g ±10%	
Cable length	100 cm	

Power supply

Operating voltage	230V AC or 24V AC/DC		
Frequency	50Hz to 60Hz		
Connection cables	Class II: brown + blue, 2 x 0.75 mm ²		
Continuous power at 45°C	230V Version	24V Version	
	≈ 1 W	≈ 1 W	
Permanent current level at 25°C	230V Version	24V Version	
	≈ 5.2 mA	≈ 50 mA	
Start up current at 25°C	≈ 250mA		

Mechanical specifications

Duration of opening	Approx. 4 min (depending on the ambient temperature)
Initial duration of opening	Approx. 2 min (depending on the ambient temperature)
Force of the spring	105 N ±15% for movement of 0.5 mm
Length of stroke	4,5 mm

Environment

Protection rating	IP44 in accordance with EN60335	
	IP40 in accordance with EN60335	
Class	Class II	
Max. room temperature	60°C / 140°F	
Storage temperature	0°C to +60°C	
Humidity of the air	From 10% to 90% without condensation	

Applicable directives

EMC	2014/30/EU
LVD	2014/35/EU
RoHS	2011/65/EU

Applicable standards

EMC	EN61000-6-1 ; EN61000-6-2 ; EN61000-6-3 ; EN61000-6-4
LVD	EN60730-1 ; EN60730-2-14 ; EN62311
RoHS	EN50581
Manufacturing	On certified site ISO 9001 V2008

Product codes

Codes

Désignation

MTC0230TA	Thermoelectric actuator low consumption closed when power is off (230V)
MTC0024TA	Thermoelectric actuator low consumption closed when power is off (24V)

Product customization (design features) possible. Please contact us.