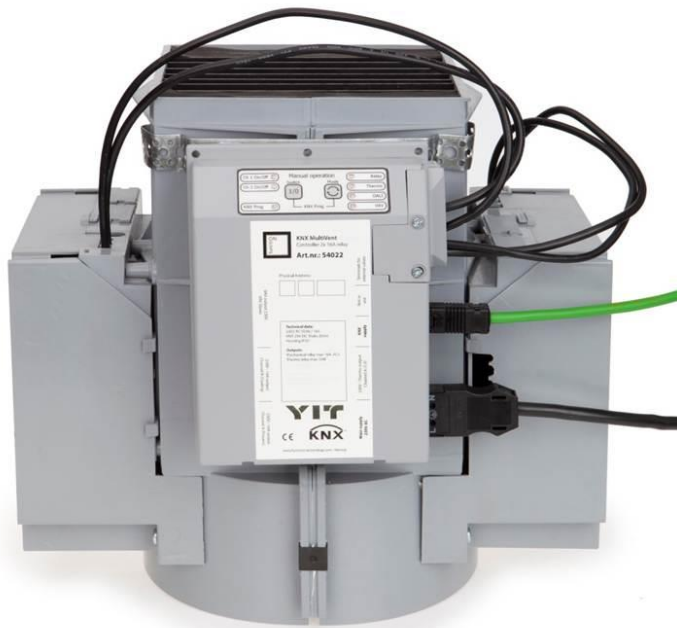


## Technical Datasheet

# KNX MultiVent Controller

*Art.no.: 54020 / 54021 / 54022*



## KNX MultiVent Controller

- VAV Controller
- Two thermo outputs
- Two switching outputs (optional)
- VAV Master output
- VAV Slave output (optional)

### KNX MultiVent Controller

KNX MultiVent is a controller for the YIT damper valve. MultiVent can control and supervise the damper valve blades and report status via the KNX bus. MultiVent can control both one- and two valve blade damper units (KT-VAV-KNX-40%, 60%, and 2x40%) Quick connect plugs ensure quick and easy installation at the construction site. KNX MultiVent has KNX objects and parameters especially designed for the YIT damper valve.

The valve functions can communicate directly with other KNX based products like motion detectors, thermostats, actuators and other sensors.

- 54020 KNX MultiVent Controller Basic
- 54021 KNX MultiVent Controller 1x 16A
- 54022 KNX MultiVent Controller 2x 16A

## Technical data

KNX MultiVent Controller				
		54020	54021	54022
Power	• Operating voltage, Main	230V AC 50Hz		
	• Operating voltage, KNX	21...30 V DC		
	• Power consumption, KNX	Normal 10mA / Peak 20mA		
Output relay	• Number of potential free contacts	–	–	–
	• Number of 230V outputs	–	1	2
	• Un rated voltage	–	–	–
	• In rated current	–	16A	
Output relay switching power	• Max. inrush current I <sub>p</sub>	–	400A/150μS	
	• AC3 operation (cosφ=0.45) EN 60 947-4 -1	–	8A	
	• AC1 operation (cosφ=0.80) EN 60 947-4 -1	–	16A	
	• DC current switching capacity (Ohmic load)	–		
	• Mechanical endurance	–	100.000	
Inputs	• Number of inputs	2		
	• Polling voltage U <sub>n</sub>	16V		
	• Sensing current I <sub>n</sub>	1mA		
	• Permitted cable lengths	10 m		
Connections	• KNX	WAGO Winsta KNX		
	• Load current circuits	WAGO Winsta MIDI		
	• Inputs	Via connection terminal without screws		
	• Wiring	0.5-2.5 mm <sup>2</sup>		
Operating and display elements	• Through separate control panel			
Housing	• PC + ABS (antimony-, chlorine- and bromine-free flame retardant)			
KNX voltage	• SELV 29V DC (safety extra low voltage)			
Temperature range	• Operation	+5 °C ... +45 °C		
	• Storage	-25 °C ... +65 °C		
	• Transport	-25 °C ... +65 °C		
Design	• Dimensions (H x W x D)	40.0 x 130.5 x 190.0 mm		
Approvals	• EIB / KNX EN 50 090-2-2	Certification		
CE mark	• In accordance with the EMC guideline and low voltage guideline			



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