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You can read the recommendations in the user guide, the technical guide or the installation guide for HONEYWELL V4044F. You'll find the answers to all your questions on the HONEYWELL V4044F in the user manual (information, specifications, safety advice, size, accessories, etc.). Detailed instructions for use are in the User's Guide.

User manual HONEYWELL V4044F
User guide HONEYWELL V4044F
Operating instructions HONEYWELL V4044F
Instructions for use HONEYWELL V4044F
Instruction manual HONEYWELL V4044F

Honeywell

V4044C, V4044F Motorized Zone Valves 3-PORT HYDRONIC VALVES

PRODUCT DATA



Application

Honeywell V4044C and F 3-port hydronic valves are used in domestic and small commercial heating and cooling applications to control the flow of hot or cold water. They are designed for on-off zone control of domestic systems and can be used to control individual fan coil, radiator, space heater or convactor applications. They can be controlled by a line voltage SPST controller such as a room thermostat, aquastat or flow switch. The actuator head is removable without affecting the integrity of the water system.

Features

- Rugged design
- Control by a line voltage SPST controller
- Actuator head installation does not require draining of the system
- High flow rate capacity
- Indifferent to dirt in system

Specifications

Medium	Water or water-glycol mixture (max. 50% glycol content), quality to VDI 2035
pH-value	8...9.5
Operating temperature	5...88°C (41...190°F)
Ambient temperature	max. 50°C (122°F)
Operating pressure	max. 8.6 bar (125 psi) static
Differential pressure	see chapter "Dimensions" below
K_v [cvt]-values	see chapter "Dimensions" below
Flow	AB → A or B
Starting position	port A normally closed
Voltage	220-240V, 50Hz
Power consumption	6W / 0.042A
Auxiliary switch rating	2.2A at 230Vac, 50Hz
Nominal timing	On: 30 seconds under power Off: 12 seconds under spring return
Electrical termination	1m flying lead, heat resistant cable
Shipping temperature	-40...65°C (-40...149°F)
Humidity rating	5...95% RH (non-condensing)
Atmosphere	non-corrosive, non-explosive

Design

V4044C and V4044F zone valves consist of:

- 3-way valve housing with BSPP internal threads
- Control ball assembly
- Actuator assembly with cable
- V4044F1000 with SPDT end switch
- V4044F1034 with SPST end switch

Materials

- Valve housing made of forged brass
- Spindle shaft made of brass
- O-ring seals made of EPDM rubber
- Ball plug made of NBR rubber
- Actuator cover and base made of zinc-plated steel

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Manual abstract:

The actuator head is removable without affecting the integrity of the water system. Features · Rugged design · Control by a line voltage SPST controller · Actuator head installation does not require draining of the system · High flow rate capacity · Indifferent to dirt in system Specifications Design V4044C and V4044F zone valves consist of: · 3-way valve housing with BSPP internal threads · Control ball assembly · Actuator assembly with cable · V4044F1000 with SPDT end switch · V4044F1034 with SPST end switch Medium Water or water-glycol mixture (max. 50% glycol content), quality to VDI 2035 8...9.5 5...88°C (41.

..190°F) max. 50°C (122°F) max. 8.

6 bar (125 psi) static see chapter "Dimensions" below see chapter "Dimensions" below AB A or B port A normally closed 220-240V, 50Hz 6W / 0.042A 2.2A at 230Vac, 50Hz On: 30 seconds under power Off: 12 seconds under spring return 1m flying lead, heat resistant cable -40...

65°C (-40...149°F) 5...95% RH (non-condensing) non-corrosive, non-explosive pH-value Operating temperature Ambient temperature Operating pressure Differential pressure kvs (cv)-values Flow Starting position Voltage Power consumption Auxiliary switch rating Nominal timing Materials · Valve housing made of forged brass · Spindle shaft made of brass · O-ring seals made of EPDM rubber · Ball plug made of NBR rubber · Actuator cover and base made of zinc-plated steel Electrical termination Shipping temperature Humidity rating Atmosphere Honeywell · All rights reserved EN0H-0325GE25 R0906 V4044C, V4044F Function V4044C and V4044F 2-position hydronic valves are used in domestic and small commercial applications to control the flow of hot or cold water. They consist of an actuator and a valve. With the manual opener set to AUTO and the actuator energized, port A of the valve is opened and port B is closed. When the actuator is de-energized, a spring-return mechanism drives the ball to close port A, opening port B.

@@ OPEN position. @@@@ A power failure will leave the valve at the spring-returned position. @@ 1. @@ 2. V4044C/F in deenergized position (AB-B)

Wiring Fig. 3. Wiring diagram for V4044C Fig. 4. Wiring diagram for V4044F1034 Table 1. Cable colour coding Fig.

5. @@@@ @@@@ @6. V4044C, V4044F 3-way zone valve Table 2. Main dimensions and other values Body 1/2" BSPP (internal) 3/4" BSPP (internal) 1" BSPP (internal) 3/4" BSPP (internal) 1" BSPP (internal) kvs-value 3.0 6.

0 8.1 6.0 8.1 max. closeoff pressure 1.

4 bar 0.7 bar 0.55 bar 0.7 bar 0.55 bar Dimensions R 1/2" 3/4" 1" 3/4" 1" L 96 96 96 96 96 C 46 46 46 46 46 H 128 128 128 128 128 NOTE: All dimensions in mm if not otherwise stated Ordering Information Table 3. Order information and OS-Nos. (OS=Ordering System) Order text V4044C motorized zone valve Size 1/2" 3/4" 1" V4044F motorized zone valve with end switch V4044F motorized zone valve with end switch bulk pack of 10 3/4" 1" 3/4" 1" End switch -- -- -- SPST SPDT SPST SPDT Packing unit 1 pc 1 pc 1 pc 1 pc 1 pc 10 pcs 10 pcs OS-No. V4044C1452 V4044C1460 V4044C1478 V4044F1000 V4044F1034 V4044F1000B V4044F1034B NOTE: Valves in bulk packs are not packed individually. @@.



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