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You can read the recommendations in the user guide, the technical guide or the installation guide for HONEYWELL ML7420A6025. You'll find the answers to all your questions on the HONEYWELL ML7420A6025 in the user manual (information, specifications, safety advice, size, accessories, etc.). Detailed instructions for use are in the User's Guide.

User manual HONEYWELL ML7420A6025
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Honeywell

ML7420A6025
ELECTRIC LINEAR VALVE ACTUATOR



ML7420A6025

SPECIFICATION DATA

FEATURES

- Easy and quick installation
- No separate linkage required
- No adjustments required
- Low power consumption
- Force-limiting end stops
- 2...10 Vdc signal input
- Direct / reverse action selectable
- Corrosion-resistant design
- Maintenance-free

SPECIFICATIONS

Supply voltage	24 Vac +/-15% 50/60 Hz
Power consumption	5 VA
Temperature limits	
Ambient operating limits	-10...+50 °C at 5...95%/rh
Ambient storage limits	-40...+70 °C at 5...95%/rh
Medium valve temperature	Max. 150 °C (220 °C with High-Temperature Kit)

GENERAL

The ML7420A6025 actuator is designed for modulating control with controllers providing an analog output of 2...10 Vdc.

It operates Honeywell's standard valves in heating, district heating, ventilation and air conditioning (HVAC) applications. The direction of movement can be reversed by pressing the pushbutton (with LED) located on the printed circuit board.

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EN08-0481GE51 R1206





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Manual abstract:

..10 Vdc Ri = 100 k 20 mm 1 min (at 50 Hz) 600 N III as per EN60730-1 IP52 as per EN60529 V0 as per UL94 (with metal cable gland) 1.5 mm² 1.3 kg ABS-FR Glass fiber reinforced plastic Aluminum die-cast see Fig. 2. ML7420A6025 Temperature limits Ambient operating limits Ambient storage limits Medium valve temperature Signal Signal input voltage Stroke Run time Close-off force Safety Protection class Protection standard Flame retardant housing Wiring terminals Weight Material Cover Base Yoke Dimensions GENERAL The ML7420A6025 actuator is designed for modulating control with controllers providing an analog output of 2...10 Vdc.

It operates Honeywell's standard valves in heating, district heating, ventilation and air conditioning (HVAC) applications. The direction of movement can be reversed by pressing the pushbutton (with LED) located on the printed circuit board. ® U.S. Registered Trademark Copyright © 2006 Honeywell Inc.

@@@@@@@@@@@@@@@@1), If the corresponding LED is lit, this indicates that the actuator stem will retract at a control signal of 2 Vdc (factory setting); if it is dark, the actuator stem will extend at a control signal of 2 Vdc. NOTE: The pushbutton (W3) is accessible after the cover has been removed and is located at the rear side of the protection sheet of the printed circuit board. 43196000-002 43196000-038 W3 LED Fig. 1. Pushbuttons and potentiometer (default positions) EN0B-0481GE51 R1206 2 ML7420A6025 ELECTRIC LINEAR VALVE ACTUATOR CLOSE-OFF PRESSURE RATINGS

stem force stroke valve mm size inch valves V5011R/S V5328A V5016A V5025A V5049A V5013R/E V5329C V5329A V5050A 600 N 20 mm 15 1/2 1600 1600/1000 1600 2500 1600/1000 1600 600 1000 1000 20 3/4 1600 1000 1600 2500 1000 1600 600 1000 1000 25 1 32 40 50 1 1/4 1 1/2 2 close-off pressure ratings (in kPa) 1000 700 460 1000 600 350 1600 1600 1600 2500 2500 2500 1000 600 350 1000 700 460 600 600 480 1000 790 480 1000 600 350 65 2 1/2 260 200 1600 2500 200 260 260 260 200 80 3 120 1600 2500 120 160 160 120 50 1600 2500 100 100 50 For details on the valves, see following Specification Data No.

: V5011R EN0B-0064GE51 V5328A EN0B-0432GE02 V5011S EN0B-0085GE51 V5329A/5050A EN0B-0310GE51 V5016A EN0B-0440GE51 V5025A EN0B-0442GE51 V5049A EN0B-0238GE51 V5095A V5013R V5013E EN0B-0412GE51 EN0B-0065GE51 EN0B-0446GE51 ML7420A6025 (2...10 V) Accessory 135x(161) 67.4 322 (with High-Temperature Kit: 402 mm) Y 2...10 V M 24 V 24 V~ 24 V 24 V~ 12 S1 3 4 5 S2 6 auxiliary switches 250 Vac / 5(3) A ! Fig. 3. ML7420A6025, wiring and accessories 242 100 0 0 100 Fig.

2. @Printed in Germany EN0B-0481GE51 R1206 .



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