



# Your PDF Guides

You can read the recommendations in the user guide, the technical guide or the installation guide for HONEYWELL MT4-230. You'll find the answers to all your questions on the HONEYWELL MT4-230 in the user manual (information, specifications, safety advice, size, accessories, etc.). Detailed instructions for use are in the User's Guide.

**User manual HONEYWELL MT4-230**  
**User guide HONEYWELL MT4-230**  
**Operating instructions HONEYWELL MT4-230**  
**Instructions for use HONEYWELL MT4-230**  
**Instruction manual HONEYWELL MT4-230**

**Honeywell**

**MT4-024/MT4-230**  
**MT8-024/MT8-230**  
SMALL LINEAR THERMOELECTRIC ACTUATORS

Smart-TPRODUCT DATA



**FEATURES**

- No mounting tools required (easily mounted using valve adapter)
- Water-protected housing design in all mounting positions
- Pluggable cable for easy installation and servicing
- Auxiliary switch models for driving pumps or fans
- Low power consumption models
- Normally-open and normally-closed models
- Compact design allows installation in limited space
- Visual indicator showing valve position and type of action (NO or NC)
- Noiseless operation
- Reliable long-term operation
- Overload protection (4 kV) for 230 V models

**SPECIFICATIONS**

Max. stroke	MT4: 4 mm MT8: 8 mm
Power supply	MTx-024: 24 Vac/dc $\pm$ 20% MTx-230: 230 Vac $\pm$ 10% ... -15%
Stem force	90 N
Opening/closing time	dependent on ambient temperature (see Table 3)
Ambient temperature	max. 50 °C
Electrical specifications	See Table 3 on page 3.
Protection standard	IP44 in all mounting positions
Cable length	1 m, other cable lengths upon request
Cable wires	MTx-xxx: 2 x 0.5 mm <sup>2</sup> MTx-xxxS: 4 x 0.35 mm <sup>2</sup>
Max. permissible auxiliary switch current	MTx-xxxS: 5 (3) A
Medium temperature	max. 120 °C

**APPLICATION**

Smart-T small linear actuators are used in room and zone applications for time-controlled two-point and pulse-width-modulated (PWM) regulation of heating and cooling systems such as fan coil units, radiators, floor heating systems, chilled ceilings, and convectors.

- Fit on standard M30 x 1.5 heating/cooling valves, thermostatic radiator valves, and valve inserts for manifolds and compact radiators.
- Special valve adapters on request.

\*Recommended controllers: Excel 10 and Excel 12 controllers (use with other, non-Honeywell controllers may adversely influence PWM-operation).

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**Manual abstract:**

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Power supply Stem force Opening/closing time Ambient temperature Electrical specifications Protection standard Cable length Cable wires Max. permissible auxiliary switch current Medium temperature \*Recommended controllers: Excel 10 and Excel 12 controllers (use with other, non-Honeywell controllers may adversely influence PWM-operation), max. 120 °C ® U.S.

Registered Trademark Copyright © 2009 Honeywell Inc. · All rights reserved EN0B-0490GE51 R0709 MT SMALL LINEAR THERMOELECTRIC ACTUATORS ORDERING INFORMATION Table 1. @@@@2. Dismounting FUNCTION Fig. 1.

@@@3. @@4. Wiring diagrams Opening and Closing Time stroke NO NC on off dead time opening time dead time closing time power time Fig. 5. Opening and closing time NOTE: Opening and closing times depend upon ambient temperature and model. EN0B-0490GE51 R0709 4 MT SMALL LINEAR THERMOELECTRIC ACTUATORS Valve Action NC (normally-closed) version NO (normally-open) version DIMENSIONS NC NO NC NO H A B A B X L A AB A AB B B W dimension MT4-xxx MT8-xxx W 42 H 59 67 L 45 X 6 A AB A AB B B Fig. 7. Dimensions (in mm) Fig. 6. Valve action Normally open: 2-way valve, A-B open without power; Normally closed: 2-way valve, A-B shut without power; NOTE: Fig.

6 is a schematic diagram showing typical valve action. Actual function can vary depending upon the individual type of valve. Manufactured for and on behalf of the Environmental and Combustion Controls Division of Honeywell Technologies Sàrl, Rolle, Z.A. @@Printed in Germany EN0B-0490GE51 R0709.



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