

Room Temperature Controller Bimetal
MTR – Magnum –
 Product Class A



Magnum Series, Fan Coil - air-conditioning Controller Bimetal, Surface-mounted



MTR 52.042

Technical Data

Switching Capacity: 250 V~, 50/60 Hz,
 250 V~ and 24 V~ at
 MTR 53.067
 Normally-closed Contact:
 Change-over Contact
 (Changeover Switch): 10 (4) A
 10 (4) A, heating
 5 (2) A, cooling
 5...30°C
Temperature Ranges:
Switching Difference: approx. 0.5 K
Middle Position: neutral zone, approx. 2 K fixed
Degree of protection: IP 30
Protection Class: II
Equipment: thermal feedback,
 mechanical range restriction
Permissible Humidity: max. 95 % r. H., non-condensing
Colour: pure white (comparable to
 RAL9010), other colours/lettering
 on request

Application

Regulation and monitoring of temperatures in closed, dry areas.
 Remote control of air-conditioning units, -boxes, fan coil-systems in residential, office and practice areas. Single room optimisation with central air-conditioning systems (hotels, hospitals, and the like). Suitable for all heating system types.
 (Please comply with the switching capacity in "Schematic").

Type	Part.-No.	Equipment	Schematic	€
MTR 10.005-14	F 210002	Middle position (two-way-normally-open contact) Heating – neutral zone – cooling	MTR10.005 $T_{max}=30^{\circ}C$ 250 V~ C3 10 (4) A C1 5 (2) A 	50.50
MTR 10.007-14	F 210003	Middle position (two-way-normally-open contact) Switch: "ON-OFF"	MTR10.007 $T_{max}=30^{\circ}C$ 250 V~ C3 10 (4) A C1 5 (2) A 	52.40
MTR 52.004-14	F 252000	Middle position (two-way-normally-open contact) Switch: "Heating" Switch: "Cooling"	MTR52.004 $T_{max}=30^{\circ}C$ 250 V~ C3 10 (4) A C9,10 6 (2) A C1,14 5 (2) A 	66.20
MTR 52.018-14	F 252001	Middle position (two-way-normally-open contact) Switch: "ON-OFF" = 2-pole Switch for 3-stage fan	MTR52.018 $T_{max}=30^{\circ}C$ 250 V~ C3,7,14,15,16 6 (2) A C1 5 (2) A 	63.40
MTR 52.041-14	F 252005	Change-over contact (changeover switch) Switch: "ON-OFF" Switch for 3-stage fan Also available in the Pikolo design Page 39 PTR 02.801	MTR52.041 $T_{max}=30^{\circ}C$ 250 V~ C3 10 (4) A C11,12,13 6 (2) A C1 5 (2) A 	50.50
MTR 52.042-14	F 252010	Middle position (two-way-normally-open contact) Switch: "ON-OFF" Switch for 3-stage fan	MTR52.042 $T_{max}=30^{\circ}C$ 250 V~ C3 10 (4) A C11,12,13 6 (2) A C1 5 (2) A 	63.40
MTR 52.081-14	F 252011	Middle position (two-way-normally-open contact) Indicator light: "Heating", indicator light: "Cooling" Switch/Indicator light: "ON-OFF" Switch for 3-stage fan	MTR52.081 $T_{max}=30^{\circ}C$ 250 V~ C3 10 (4) A C11,12,13 6 (2) A C1 5 (2) A 	67.40

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Type	Part.-No.	Equipment	Schematic	€
MTR 52.090-14	F 252039	Middle position (two-way-normally-open contact) Switch, fan, 3-stage Switch/Indicator light: "ON-OFF" Indicator light: "Heating", Indicator light: "Cooling" Fan function, automatic or potential-free (with jumper)	MTR52.090 6 (3) A 250 V~ 4K/h T30 	67.90
MTR 53.000-14	F 253000	Change-over contact (changeover switch) Switch/Indicator light: "ON-OFF" Switch: "Cooling" Switch for fan, two-stage	MTR53.000 T _{max} = 30°C 250 V~ 4K/h 10 (4) A C3 C11,12 6 (2) A C1,10 5 (2) A 	70.20
MTR 53.026-14	F 253001	Change-over contact (changeover switch) Switch: "ON-OFF" Switch: "Heating-cooling" Switch for fan, 3-stage	MTR53.026 T _{max} = 30°C 250 V~ 4K/h 10 (4) A C3 C11,12,13 5 (2) A C1,9 5 (2) A 	50.90
MTR 53.042-14	F 253010	Change-over contact (changeover switch) Switch: "ON-OFF" Switch: "Heating-cooling" Switch for fan, 3 stage, potential-free	MTR53.042 T _{max} = 30°C 250 V~ 4K/h 10 (4) A C3 C11,12,13 6 (2) A C1,9 5 (2) A 	56.30
MTR 53.043-14	F 253011	Change-over contact (changeover switch) Switch: "ON-OFF" Switch: "Heating-0-cooling" Switch for fan, 3 stage	MTR53.043 T _{max} = 30°C 250 V~ 4K/h 10 (4) A C3 C8,11,12,13 6 (2) A C1,9,10 5 (2) A 	55.80
MTR 53.067-14	F 253013	Change-over contact (changeover switch) 250 V~ and 24 V~ Switch: "ON-OFF" Switch, fan: "Continuous-automatic" Switch: "Heating-0-cooling"	MTR53.067 T _{max} = 30°C 24V~ / 250V~ 4K/h 5 (2) A C3 10 (4) A 	66.10

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