

↓ Reliable and efficient floor heating thermostat

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ELECTRIC FLOOR HEATING
OJ Microline®

MCD3

Digital thermostat for electric underfloor heating


OJ ELECTRONICS

OJ Microline®

MCD3 Thermostat

The MCD3 is designed to meet the
highest standards for energy efficiency
– the European Ecodesign Directive



You can connect the MCD3 to a compatible external controller for remote controlling.

Worry-free thermostat for electric underfloor heating

Tailoring the heating

You can pre-programme the MCD3 in a number of ways which all together help you reduce your energy consumption and cost of heating. The fully flexible programming of the build in '4 Event Heating Schedule' lets you tailor the heating to your specific needs for the day and week - intuitively and hassle free.

In case you change your plans, the MCD3 does not let you down. The 'Manually Override' function allows you to change the heating to match your actual needs with the push of a button.

The MCD3 also offers an intelligent 'Adaptive Start' function which automatically will adjust the heating to your specific environment. This ensures that you will be enjoying the right temperature at the right time.

With the build in 'Open Window' function activated the MCD3 helps save energy by pausing the heating when a sudden temperature drop happens e.g. when a window or a door to colder air is opened.

"Simplicity" the way to user-friendliness

The MCD3 thermostat ensures, through the most intuitive user-interface and self-explaining functions, that you can go about your day without having to worry about coming back to a cold home.

"Set and forget" - while connected and programmed the MCD3 will keep using your settings to make your floor comfortably warm.

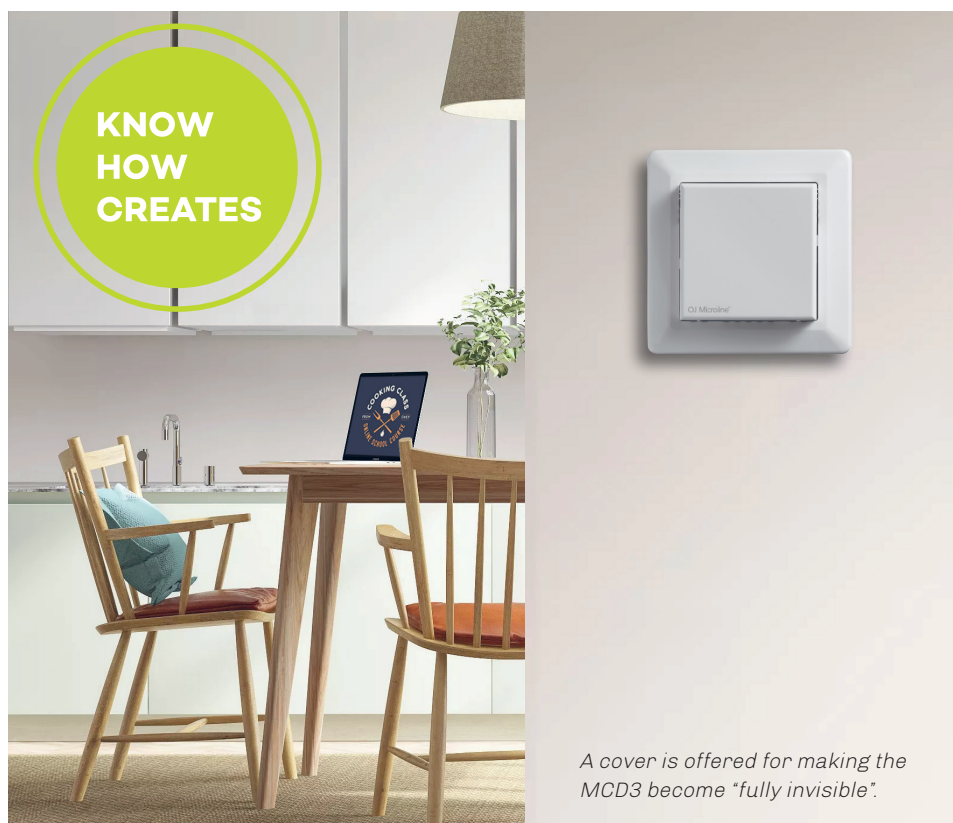


Wooden floors and tiles

The MCD3 is designed to match the different characteristics of e.g., wooden floors and tile floors. While the floor sensor makes sure that tiles do not feel cold to walk on, it also helps protect wooden floors from being overheated without compromising your comfort.

The stylish choice

With its contemporary design and availability in several colours, the MCD3 pleases the eye and blends well into all homes regardless of your preference for interior design. Should the automatic dimming of the crystal-clear display not meet your requirements in full, a cover is offered for making the MCD3 become "fully invisible".



Technical data

Purpose of control	Electric underfloor heating
Method of mounting	Wall mounting in a socket/mounting box
Supply voltage	230-240 VAC 50/60 Hz
Max. pre-fuse	16 A
Built-in interrupter	2-pole, 16 A
Enclosure rating	P 21
Wire size, terminals	Current ≤ 13 A - 1.5 mm ² , solid core wire Current 13 A to 16 A - 2.5 mm ² , solid core wire
ELV limits realized	SELV 24 VDC
Output relay	Make contact - SPST - NO
Output, load	Max. 16 A / 3600 W
Control principle	PWM/PI
Standby consumption	≤ 0.75 W
Backup time (timer)	> 2 minutes
Dimensions	H/84, W/84, D/40 mm Build-in depth <20mm Weight <120 g
Display	21 x 21 mm LCD display
Control pollution degree	2
Overvoltage category	III
Type of action	1.B
Software class	A
Rated impulse voltage	4kV
Ball pressure temperature (TB)	125°C
EU registered design	DM/089 338
External sensor type	NTC 12 k Ω /25 °C Max cable length: 30 meters
External sensor accuracy	< $\pm 1^\circ\text{C}$ for $+15^\circ\text{C}$ – $+35^\circ\text{C}$
Operating temperature	-10°C .. $+40^\circ\text{C}$
Storage temperature	-30°C .. $+50^\circ\text{C}$

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