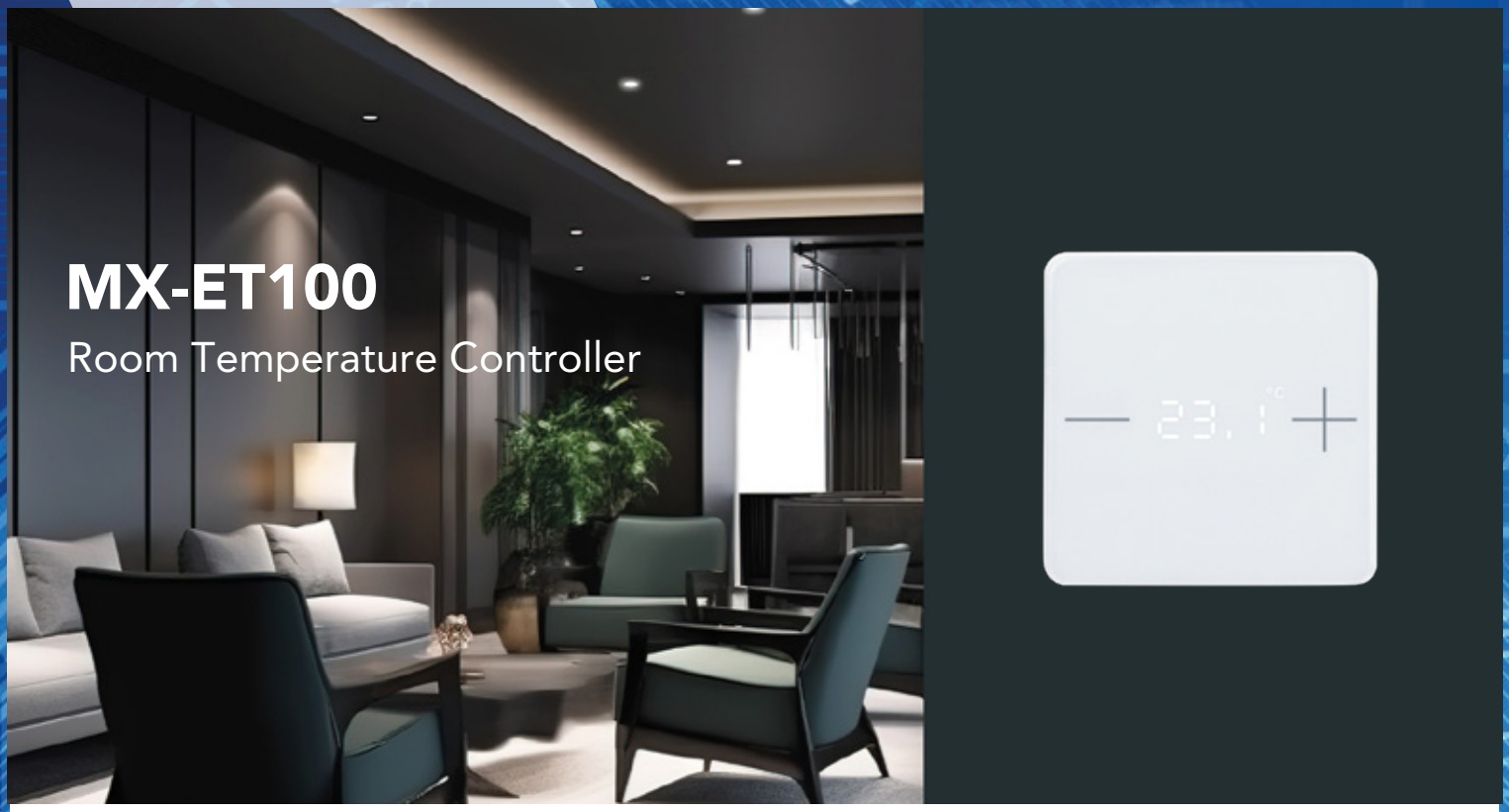
MICROAXS controls

Designed in the U.S.A.




## Overview

The Room Temperature Controller KNX MX-ET100 measures the room temperature and displays the current value in white illuminated figures. Via the bus the device can receive an external measured value and process it with own data to overall temperature value (mixed value).

The KNX MX-ET100 has got an integrated PI controller for a heating and a cooling system (one or two step). The room temperature is adjusted by means of the + and - touch buttons.

## Features

- Measurement of temperature. Mixed value from own measured value and external values (proportions can be set in percentage), output of minimum and maximum values
- Display of the actual value or the target value/basic setpoint shift
- 2 touch buttons (+/-) vor adjustment of the room temperature
- PI controller for heating (one or two step) and cooling (one or two step) depending on temperature. Control according to separate target values or basic target temperature
- Configuration is made using the KNX software ETS 5

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# MX-ET100 Room Temperature Controller

## Specification

| | |
|---|---|
| Model | MX-ET100 |
| Colours (similar) | RAL 9003 (white) RAL 9005 (black) |
| Degree of protection | IP20 |
| Size (W × H) | 81.5 mm x 81.5 mm |
| Mounting depth | 12 mm |
| Total weight | ≈ 65 g |
| Ambient temperature | -5…+45°C |
| Ambient humidity (RH) | 5...95% |
| Storage temperature | -25...+70°C |
| Overvoltage category | III |
| Pollution degree | 2 |
| KNX bus Medium | TP1-256 |
| Configuration mode | S-Mode |
| Group addresses max. | 254 |
| Assignments max. | 254 |
| Communication objects | 41 |
| Nominal voltage | 30V DC SELV |
| Power consumption | ≤ 18mA |
| Connection KNX plug-in terminal Conductor diameter Stripping length | 0.6…0.8mm s |
| Connection spring-loaded terminals | 5mm |

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# MX-ET100 Room Temperature Controller

## Specification

| | |
|---|---|
| Model | MX-ET100 |
| Solid and fine-stranded conductors | 0.2...0.75mm² |
| fine-stranded conductors with ferrules | 0.25...0.34mm² |
| Stripping length | 7...9mm |
| Duration after bus voltage restora-tion until data is received | ≈ 5 s |
| Temperature measurement range | -5…+60°C |

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