

# MX-E101/102/104

Push Button with  
Temperature Sensor



## Overview

The KNX eTR M push button has touch-sensitive buttons, with which functions in the KNX building bus system can be called, such as switch lights and devices, dim, activate drives, send values, scenarios. A white LED is integrated into each touch button, the behaviour of which can be adjusted.

A temperature sensor is integrated into KNX eTR M. An external temperature reading can be received via the bus and processed with its own data to create a total temperature (mixed value). Communication objects can be connected by AND and OR logic gates.

## Features

- 1 Touch bus button, can be configured as switch, selector switch, dimmer, blind (position and slats up/stop OR down/stop), shutters (up/down/stop), awning (in/out/stop), window (closed/open/stop), as 8 or 16-bit encoder or for scenario recall/storage
- KNX eTR M2 functions:
- 2 Touch bus button, can be configured as switch, selector switch, dimmer, for operating drives, as 8 or 16-bit encoder or for scenario recall/storage
- Area function when touching both push buttons. Can be configured as switch, selector switch, as 8 or 16 bit encoder or for scenario recall
- KNX eTR M4 functions:
- 4 Touch bus button, can be configured as switch, selector switch, dimmer, for operating drives, as 8 or 16-bit encoder or for scenario recall/storage
- Area function when touching two or more push buttons. Can be configured as switch, selector switch, as 8 or 16 bit encoder or for scenario recall



## MX-E101/102/104

## Push Button with Temperature Sensor

### Specification

Model	MX-E101/102/104
Colours (similar)	RAL 9003 (white) RAL 9005 (black)
Assembly on the wall or on device socket according to	DIN 49073
Size (W × H)	81.5 mm x 81.5 mm
Mounting depth	12 mm
Total weight	70 g
Ambient temperature	-5...+45°C
Ambient humidity (RH)	5...95%
Storage temperature	-30...+85°C
Overvoltage category	III
Pollution degree	2
KNX bus Medium	TP1-256
Configuration mode	S-Mode
Group addresses max.	183
Assignments max.	183
Communication objects	44 / 55 / 73
Nominal voltage	30V SELV
Power consumption	10 mA
Connection KNX plug-in terminal Conductor diameter Stripping length	Conductor cross-section: 0.6...0.8 mm <sup>2</sup> s Stripping length: 5 mm
Connection spring-loaded terminals	solid and fine-stranded conductors: 0.2...0.75 mm <sup>2</sup> fine-stranded conductors with ferrules: 0.25...0.34 mm <sup>2</sup> Stripping length: 7...9 mm



## MX-E101/102/104

## Push Button with Temperature Sensor

### Specification

Model	MX-ET100
Duration after bus voltage restoration until data is received	5 s
Temperature measurement range	-5...+60°C

