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# KNX Training Kit GTK

## 5.1

Update 2021/2022



## KNX Trainingskoffer GTK5.1 Classic Basic

GTK5.1 - *Classic Basic* – delivery status will be like this:



GTK5.1 – *Classic Basic* with Module 110  
Order number: E10003-C38-7S-K0110

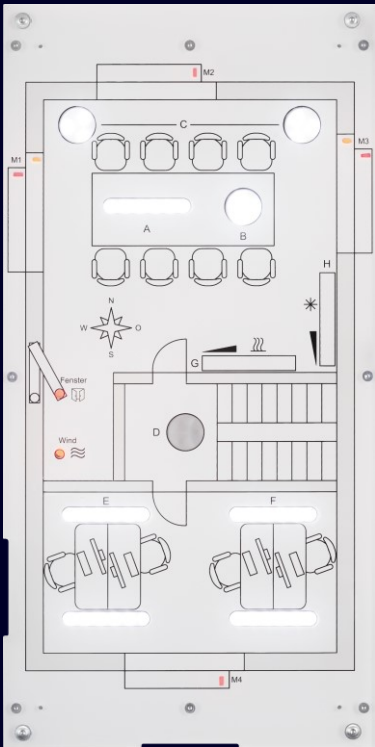


GTK5.1 – *Classic Basic* with Module 120  
Order number: E10003-C38-7S-K0120

# GTK5.1 – Room Simulation

## Function and Operation Modules (FOM)

### Room Simulation

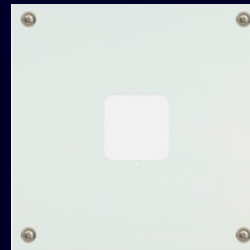
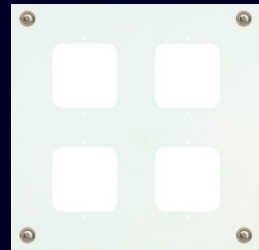


### Function- and Operating Modules (FOM) predefined:



Simulation switches for window and wind condition

### Customizable:



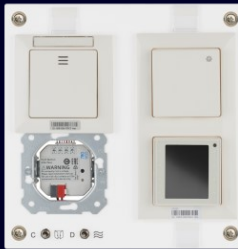
The room model represents the situation of an office floor, consisting of two rooms and a staircase. Lighting can be switched and dimmed, there are blinds, designed as an electronic simulation with the help of LED rows, as well as the simulation of heating and cooling.

For the operation of the room model, a number of predefined function and operating modules (FOM) are available as well as undefined plates. With the undefined FOM the desired devices have to be ordered separately. However, the connecting electronics are included in the GTK, so the connection sockets are already provided under the cover.

## GTK5.1 – Function and Operation Modules (FOM)



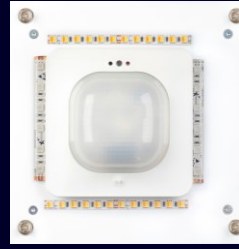
M110



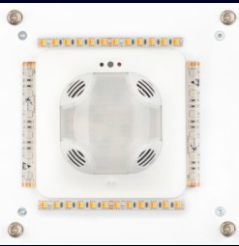
M120



M131



M221



M222



M320



M250



M710



M260



M420



M720

The equipment of the Training Kits with function and operating modules (FOM) is not predefined in the basic equipment, but can be extended as desired with orderable FOM.

Modules 110 or 120 are mandatory because of the control of the window/wind simulation (difference: M110 with triple rocket, M120 with AQR air quality controller).

In the GTK, there are free module slots for your own design and the following modules to choose from:

- M131 push button and presence detector
- M221 Presence Detector WIDE multi RGB/HCL
- M222 Presence Detector WIDE Dual Tech RGB/HCL
- M250 Presence Detector WIDE multi
- M260 Presence Detector WIDE Dual Tech
- M320 room control unit including climate controller
- M420 Touch Control T5
- M710 DALI-2 KNX
- M720 4-fold LED dimmer module with light source

## Mounting System: Camlock – Bayonet Fixing



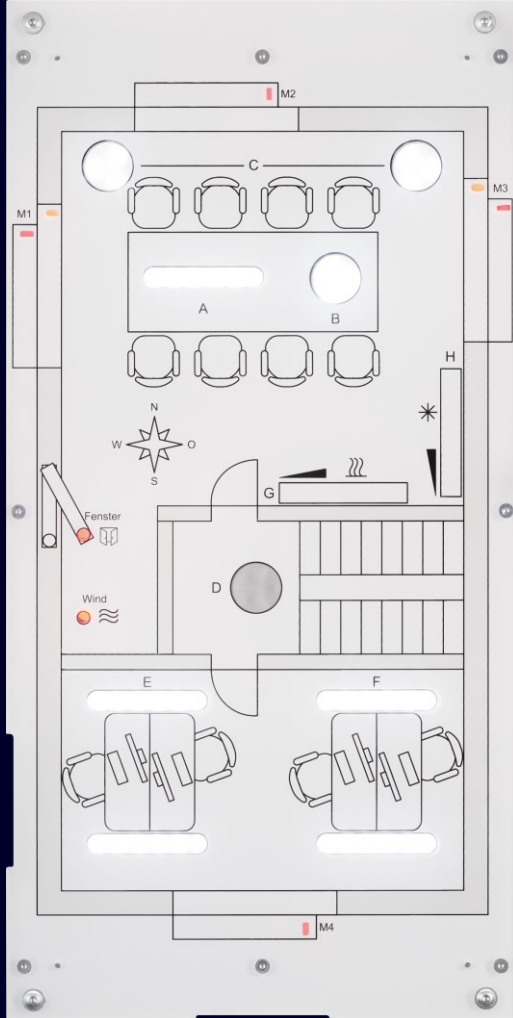
Since the update to GTK 5.1, the module plates have a bayonet quick fixing

Be careful when reordering FOM!

Please indicate, if you need FOM for the GTK 5.0 and therefore no bayonet fixing! If you have a GTK model with screw fixing, please mention this when ordering FOM, so that we can manufacture and deliver the FOM with the appropriate holes.



## GTK5.1 Room Model



The room model in the KNX Training Kit enables to show all KNX functions such as:

- 
- Lighting group A & B above a meeting table
- Lighting group C in a meeting room
- Lighting D in the staircase
- Office room lighting E and F
- Blinds on four sides M1, M2, M3 and M4
- Wind sensor simulation
- Window open / closed
- Heating radiator G with red LED strip
- Cooling element H with blue LED strip

# GTK5.1 - Classic Basic



## Mounted FOM

The demo case GTK5.1 - **Classic Basic** comes with already mounted Module M110 or M120. The other sections are covered with blank plates.



M110



M120

## Optional FOM

The GTK5.1 - **Classic Basic** can optionally be extended with the following FOM: M131, M221, M222, M250, M260, M320, M420, M710 KNX DALI-2 and M720.



M110



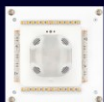
M120



M131



M221



M222



M320



M250



M710



M260



M420



M720

# GTK5.1 - Classic Basic



## Devices mounted in *Classic Basic*



## Functions

- Power supply unit N 125/22
- USB-Interface N 148/12
- IP-Router N 146/03
- IP Control Center N 152
- 8-port network switch 10/100 Mbit/s
- 3 x KNX connection sockets
- 2 x DALI connection sockets (prepared for DALI)
- Switching/dimming, heat & cool with N 536DB51
- 4 x blinds with 2x RL 521/23 with AP 118
- Pushbutton interface UP 220D31
- Pushbutton with LED via UP 220D31
- Room control unit with display UP 227
- BTM, i-system pushbutton, LED, white UP 223/13









- Switching, dimming, solar protection, set value, central function
- Heating and cooling with room control unit UP 227
- Window contact
- information display and weekly schedule programs with room control unit UP 227
- KNX/IP communication
- Alarm function „wind“
- Web visualization and application modules with scheduler program, scene module and logic function with the IP Control Center N 152












## Pricelist – Training Kits

Picture	Item Number	Description	Price (1-4 pcs)	Price (5-9 pcs)	Price ( > 10 pcs)
	E10003-C38-7S-K0110	GAMMA Training Kit GTK 5.0 Classic Basic, Module: 110+3x500+700	4582,00 CHF	4408,00 CHF	4234,00 CHF
	E10003-C38-7S-K0120	GAMMA Training Kit GTK 5.0 Classic Basic, Module: 120+3x500+700	4640,00 CHF	4466,00 CHF	4292,00 CHF

## Pricelist – Modules

Picture	Item Number	Description	Price (1-4 pcs)	Price (5-9 pcs)	Price ( > 10 pcs)
	E10003-C38-5S-M0100	Module 100 Mounting Plate quadruple	23,00 CHF	22,00 CHF	21,00 CHF
	E10003-C38-5S-M0110	Module 110 Pushbutton with UP 227	In the respective cases already included; price on request		
	E10003-C38-5S-M0120	Module 120 Pushbutton & air quality sensor			
	E10003-C38-5S-M0131	Module 131 Pushbutton & Presence detector (new as from 2018)	383,00 CHF	363,00 CHF	344,00 CHF
	E10003-C38-5S-M0200	Module 200 Mounting Plate double	22,00 CHF	21,00 CHF	20,00 CHF
	E10003-C38-5S-M0221	Modul 221 Presence Detector WIDE multi RGB/HCL	533,00 CHF	508,00 CHF	481,00 CHF
	E10003-C38-5S-M0222	Modul 222 Presence Detector WIDE multi Dual Tech RGB/HCL	510,00 CHF	485,00 CHF	458,00 CHF
	E10003-C38-5S-M0300	Module 300 Mounting Plate single	21,00 CHF	20,00 CHF	19,00 CHF

## Pricelist – Modules

Picture	Item Number	Description	Price (1-4 pcs)	Price (5-9 pcs)	Price ( > 10 pcs)
	E10003-C38-5S-M0250	Module 250 Presence Detector WIDE multi	267,00 CHF	255,00 CHF	244,00 CHF
	E10003-C38-5S-M0260	Module 260 Presence Detector WIDE Dual Tech	133,00 CHF	-	122,00 CHF
	E10003-C38-5S-M0320	Module 320 QMX3	174,00 CHF	165,00 CHF	157,00 CHF
	E10003-C38-5S-M0420	Module 420 Touch Panel TC5	238,00 CHF	226,00 CHF	215,00 CHF
	E10003-C38-5S-M0500	Module 500 Cover Plate	20,00 CHF	19,00 CHF	18,00 CHF
	E10003-C38-5S-M0700	Module 700 Cover Plate DALI	27,00 CHF	25,00 CHF	24,00 CHF
	E10003-C38-5S-M0710	Module 710 KNX DALI-2	586,00 CHF	557,00 CHF	528,00 CHF
	E10003-C38-5S-M0720	Module 720 LED-Dimmer 4-fold	463,00 CHF	440,00 CHF	416,00 CHF
	E20001-Y5980-P430	Main Line Module	418,00 CHF	397,00 CHF	376,00 CHF

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