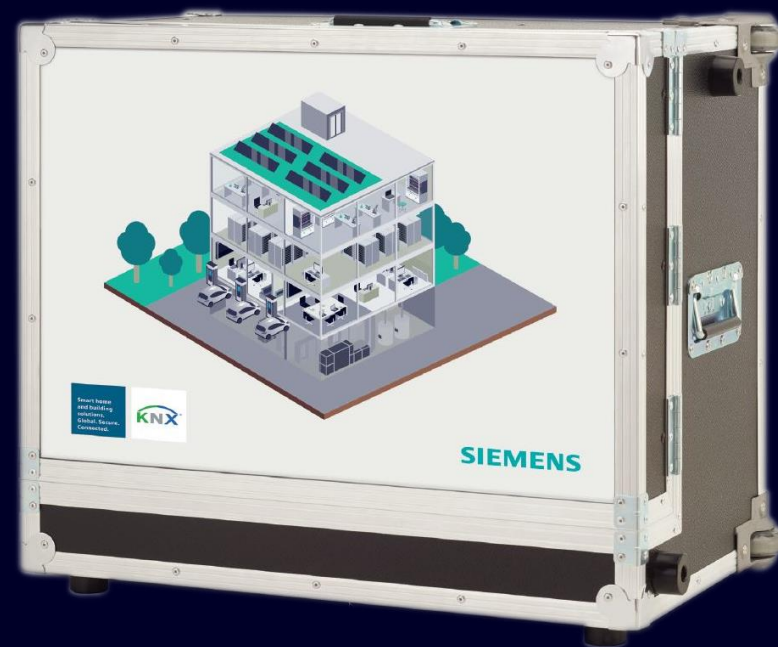# GAMMA Training Kit GTK 5.2

Update 2023

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GAMMA Trainingskoffer GTK5.2
Classic Basic

GTK5.2 - *Classic Basic* – delivery status will be like this:

GTK5.2 – *Classic Basic* with Module 110
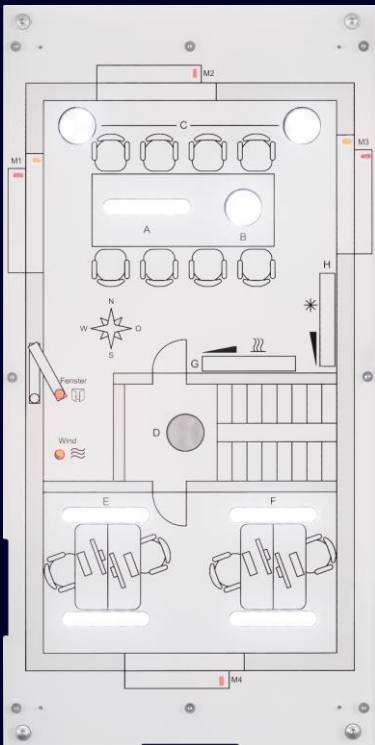Order number: E10003-C38-7S-K0110

GTK5.2 – *Classic Basic* with Module 120
Order number: E10003-C38-7S-K0120

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GTK5.2 – Room Simulation
Function and Operation Modules (FOM)
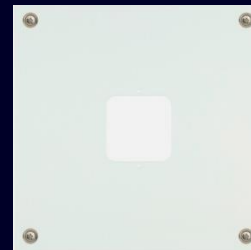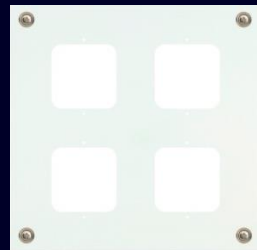
Room Simulation

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.

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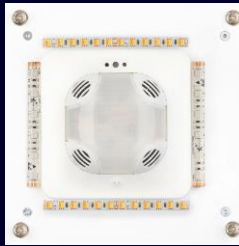# GTK5.2 – Function and Operation Modules (FOM)

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 Decetor WIDE mutli RGB/HCL
- M222 Presence Decetor 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

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Mounting System:
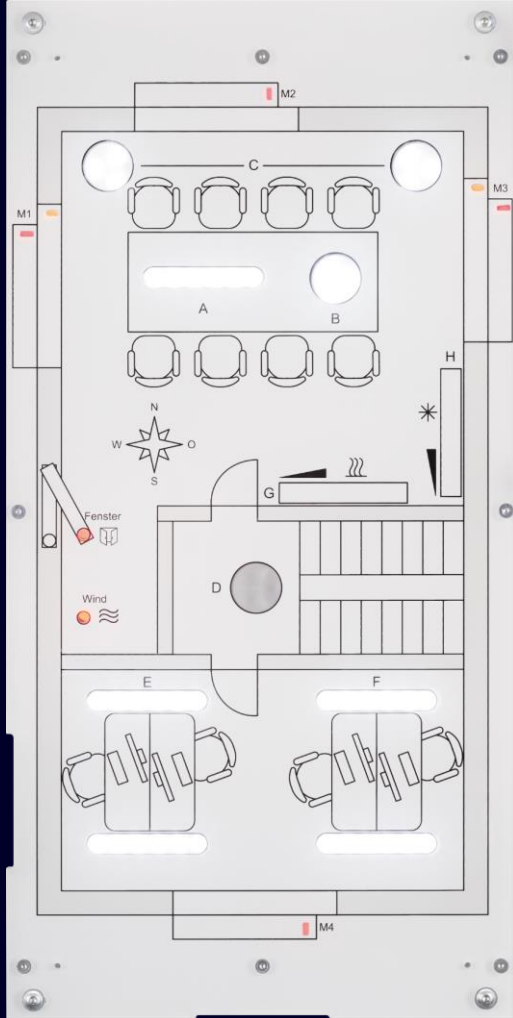# Camlock – Bayonet Fixing

Since the update to GTK 5.2, 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.

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GTK5.2
Room Model

The room model in the GAMMA 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

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GTK5.2 - Classic Basic

Mounted FOM	Optional FOM
The demo case GTK5.2 - *Classic Basic* comes with already mounted Module M110 or M120. The other sections are covered with blank plates.	The GTK5.2 - *Classic Basic* can optionally be extended with the following FOM: M131, M221, M222, M250, M260, M320, M420, M710 KNX DALI-2 and M720.

M700

M110 or M120

M500

M500

M500

M110

M120

M110   M120   M131   M221

M222   M320   M250   M710

M260   M420   M720

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GTK5.2 - Classic Basic

Devices mounted in *Classic Basic* | Functions

M110
or
M120

M700

M500

M500

M500

Devices mounted in *Classic Basic*

- 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 N543DB31
- 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

Functions

- 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

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