

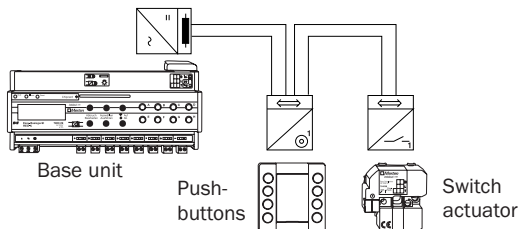
EIB EASY system

For conventional installation, switches and lamps for example are assigned in a room in a fixed manner because they are connected to the power line. The electrical circuit connects to the lamp via the switch. The switch is used to supply the lamp with full power. Any changes required by the customer will always lead to rewiring of the installation.

With the EIB EASY system, switches are not assigned to lamps and wired. All EIB EASY devices are connected to one another using a 2-core bus line. The power supply for the Easy devices as well as the exchange of information is ensured via the bus line.

The EIB EASY system is based on INSTABUS EIB, which has proved itself on the market. The EIB EASY devices are compatible with INSTABUS EIB. It is easier to put them into operation, because no external programming software is required.

The base unit forms the heart of the EIB EASY system. It has an integrated power supply for generating the bus voltage for up to 64 EIB EASY bus devices. Depending on the version, it also has either an 8-gang switch actuator for switching eight loads (art. no. 790029) or a 4-gang blind actuator for controlling 4 blind/roller shutter drives (art. no. 790229). With integrated four-channel time switch and scene function for 4 actuators.



All bus-compatible EIB EASY installation devices, such as the base unit, sensors and actuators, are connected to the two-core bus line.

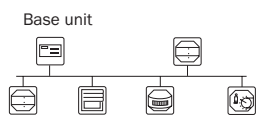
Sensors, like e.g. push-buttons, movement detectors and binary inputs, record information which is passed on via the bus.

Actuators receive the information and convert the data into operations such as e.g. switching, dimming and blind control signals.

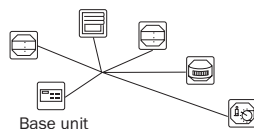
Sensors normally require only the bus line. Actuators usually also need the 230/400 V mains supply for controlling loads. Bus line and mains supply are separated strictly from each other.

EIB EASY cable routing

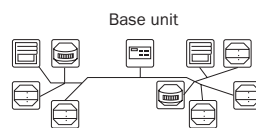
Cable routing within the EIB EASY system can be implemented in line, star or tree structures. However, all kinds of other combinations are also possible.



Line structure



Star structure

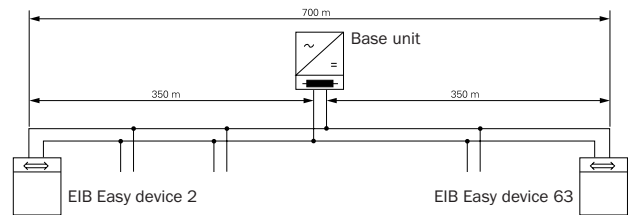


Tree structure

CAUTION:
Avoid loop formation!

When bus lines are laid, the following limit values should be observed:

- Max. line length between base unit and bus device: 350 m
- Max. line length between two bus devices: 700 m
- Total length of lines: 1000 m



The EIB devices are connected in parallel using the red/black core pair of the bus line with the help of bus connecting terminals. Up to four bus line pairs (red and black) can be connected to each bus connecting terminal. The bus connecting terminal (art. no. 689701) can also be used as a junction terminal in the switch terminal boxes. Make sure that the polarity is correct when installing. In addition to the base unit, another 63 EIB EASY devices can be connected.

Lines

The following cable types can be used as bus lines:

Type	Cabling
YCYM 2 x 2 x 0.8	Fixed cabling: in dry, damp and wet rooms. Surface mounting, flush mounting, in pipes. Outdoors, if protected from direct sunlight.
J-Y (St) Y 2 x 2 x 0.8	Fixed cabling: in dry and damp operating areas, surface mounting, flush mounting, in pipes outdoors, in and beneath plaster.

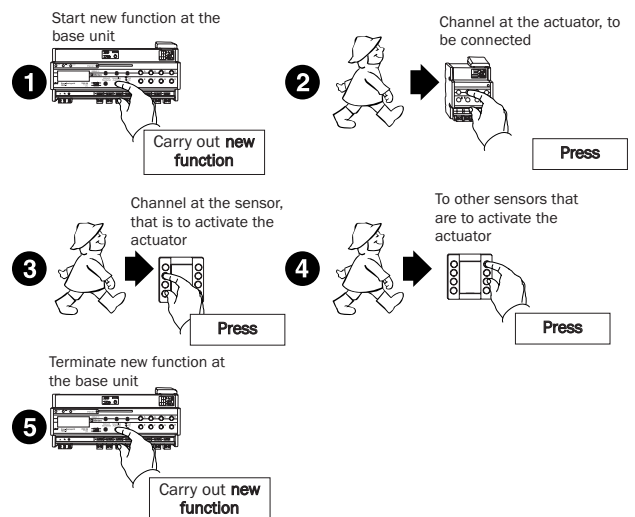
Commissioning

When the installation has been completed and all EIB EASY devices are connected to the bus, the main work is completed. By connecting the bus to the power supply at the Easy base unit, all connected EASY devices are ready for operation and can communicate with each other. They do not yet know what to do and with which devices they are to carry out their functions.

The Easy base unit identifies actuators and sensors automatically and enters them into a selection list. You select the devices and their specific functions, which both form the new functions. Then give the function a name. The connection data is then transferred to the actuators and sensors. All the functions that you set up in this way together form the project.

This project data can be saved on the backup card supplied with the package.

Additionally, to commission using the device lists on the base unit, a simple assignment of functions is carried out by using the buttons on the terminal units.



Easy commissioning

Devices can be integrated in new functions or removed from them, as easily as the functions are created. So single, group or central functions can be created and assigned to the desired sensor channels.

By means of the display and the operator buttons on the base unit, these functions can be controlled conveniently and the parameters set for the functions, like e.g. times.

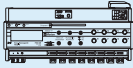





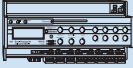

























In addition, the EIB EASY base unit functions as an 8-gang switch actuator. Eight switching channels can be used immediately via manual control.

The assignment of functions is made particularly simple and easy to understand due to the buttons on the base unit.

In addition, an integrated four-channel time switch is also provided. No additional devices are required. Time management operations are carried out on the LC display.





In addition, a scene function for four actuator groups is included. It offers the end user individual design options.

The following functions and EASY devices are available:





FUNCTION	EIB EASY DEVICES
Base unit	
Switch actuator functions for 8 channels: Switching, time function (staircase lighting timer), priority control Time switch: Switching, blinds, activation, dimming value Scene: Switching, blinds, activation, dimming	 Easy base unit REG-K 790029 Switch outputs: AC 230 V, 10 A, max. 21 µF     
Blind actuator functions for 4 channels: Blinds, alarm function, positioning, slat function Time switch: Switching, blinds, activation, dimming value Scene: Switching, blinds, activation, dimming	 Easy base unit for blinds REG-K 790229 Blind outputs: AC 230 V, 6 A cosφ=0.6, max. 1,000 W
Switch actuator	
Switch actuator functions: Switching, time function (staircase lighting timer), warning function, priority control	 Easy switch actuator, flush-mounted/230/16 764099 Switch output: AC 230 V, 16 A, max. 140 µF     
Switch actuator functions: Switching	 Easy switch actuator REG-K/8x230/10 777108 Switch output: AC 230 V, 10 A, max. 21 µF     
Roller shutter actuator	
Roller shutter actuator functions: Roller shutters Up/Down, safety (wind monitoring)	 Easy roller shutter actuator REG-K/4x(1x230)/6 777204 Outputs: AC 230 V, 6 A
Dimming actuators	
Dimming actuator functions: Dimming, switching, time function (staircase lighting timer), priority control	 Easy dimming actuator REG-K/300 W 777701 Output: AC 230 V, max. 300 W   
Dimming actuator functions: Dimming, switching, time function (staircase lighting timer), priority control	 Easy dimming actuator REG-K/400 W 777702 Output: AC 230 V, max. 400 W   
Binary inputs	
Binary input functions: Push-button, pulse edges, dimmer, blinds, scene, time function (staircase lighting timer)	 Easy binary input, flush-mounted/4x10 763098 Max. 10 V clocked, max. 2 mA pulsing
Binary input functions: Two channels specially configured for wind/rain alarm. Two channels can be selected with pulse edges, transmitting brightness value, blinds (single/dual surface), time function (staircase lighting timer), priority control, scene	 Easy binary input REG-K/4x10 773029 Max. 10 V clocked, max. 2 mA pulsing
Binary input functions: Push-button, pulse edges, dimmer, blinds, scene, time function (staircase lighting timer)	 Easy binary input REG-K/4x230 770104 AC 12 mA, 0 signal ≤ 40 V, 1 signal ≥ 160 V
Push-button interface functions: Push-button, pulse edges, dimmer, blinds, scene, time function (staircase lighting timer) With 4 outputs for low current LEDs	 Easy push-button interface 4-gang plus 763004 < 3 V (SELV), < 0.5 mA Output current: max. 2 mA

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

















Easy push-buttons, System M, System Design, OCTOCOLOR

Function	Inserts	Design cover				
		 Push-button, 1-gang	 Push-button 2-gang	 Push-button 4-gang	 Multi-function push-button, 4-gang with IR receiver	
		System M System Design OCTOCOLOR	6233.. 6223..	6234.. 6224..	6238.. 6226..	
		Without status With status	6201.. 6204..	6202.. 6205..	6203.. 6206..	6228..




Switch sensors

Push-button functions: Switching, timed switching, dimming, blinds, scene, priority control		Easy flush-mounted module for push-button, 1-gang 767001	■			
Push-button functions: Switching, timed switching, dimming, blinds, scene, priority control		Easy flush-mounted module for push-button, 2-gang 767002		■		
Push-button functions: Switching, timed switching, dimming, blinds, scene, priority control		Easy flush-mounted module for push-button, 4-gang 767003			■	
Push-button functions: Switching, timed switching, dimming, blinds, scene, priority control, IR channels		Easy flush-mounted module for multi-function push-button with IR 767005				■

Switch sensor/switch actuator

Push-button functions: Switching, timed switching, dimming, blinds, scene, priority control Switch actuator functions: Switching		Easy switch actuator for push-button 1-gang, flush-mounted/230/10 764191 Switch output: AC 230 V, 10 A Max. 140 µF     	■			
Push-button functions: Switching, timed switching, dimming, blinds, scene, priority control Switch actuator functions: Switching		Easy switch actuator for push-button 2-gang, flush-mounted/230/10 764192 Switch output: AC 230 V, 10 A Max. 140 µF     		■		
Push-button functions: Switching, timed switching, dimming, blinds, scene, priority control Switch actuator functions: Switching		Easy switch actuator for push-button 4-gang, flush-mounted/230/10 764193 Switch output: AC 230 V, 10 A Max. 140 µF     			■	



Switch sensor/blind actuator

Push-button functions: Switching, dimming, blinds Blind functions: Blinds Up/Down, slat adjustment, safety (wind monitoring)		Easy blind actuator for push-button 1-gang, flush-mounted/230/6 764291 Blind output: AC 230 V, 6 A	■			
Push-button functions: Switching, dimming, blinds Blind functions: Blinds Up/Down, slat adjustment, safety (wind monitoring)		Easy blind actuator for push-button 2-gang, flush-mounted/230/6 764292 Blind output: AC 230 V, 6 A		■		
Push-button functions: Switching, dimming, blinds Blind functions: Roller shutters Up/Down, safety (wind monitoring)		Easy roller shutter actuator for push-button 4-gang, flush-mounted/230/6 764293 Roller shutter output: AC 230 V, 6 A			■	

Easy push-button modules, System M

Function	Inserts	Design cover	Rocker for 1-gang push-button module			Rockers for 2-gang push-button module			
			System M	6191... 6251..	6193... 625419	6194... 625519	6192... 6252..	6195... 625619	6196... 625719



Easy push-button modules

<p>Push-button module functions: Dual-surface: Switch ON or switch OFF, dimming, scenes, blinds, time function (staircase lighting function), priority control</p> 	<p>Easy 1-gang push-button module 762191</p>							
<p>Push-button module functions: Dual-surface: Switch ON or switch OFF, dimming, scenes, blinds, time function (staircase lighting function), priority control</p> 	<p>EASY 2-gang push-button module 762192</p>							

Easy push-button modules, System Design

Function	Inserts	Design cover	Rocker for 1-gang push-button module			Rockers for 2-gang push-button module			
			System Design	6261..	626419	626519	6262..	626619	626719




Easy push-button modules

<p>Push-button module functions: Dual-surface: Switch ON or switch OFF, dimming, scenes, blinds, time function (staircase lighting function), priority control</p> 	<p>EASY 1-gang push-button module 761191</p>							
<p>Push-button module functions: Dual-surface: Switch ON or switch OFF, dimming, scenes, blinds, time function (staircase lighting function), priority control</p> 	<p>EASY 2-gang push-button module 761192</p>							




Easy push-button inserts, System Basis

Function	Inserts	Design cover	Rocker for 1-gang push-button Insert	Rocker for 2-gang push-button Insert	Rocker for 4-gang push-button Insert
			System Basis	6211..	6212..



Easy push-button inserts

<p>Push-button functions: Switching, timed switching, dimming, blinds, scene, priority control</p> 	<p>EASY 1-gang push-button insert 760191</p>				
<p>Push-button functions: Switching, timed switching, dimming, blinds, scene, priority control</p> 	<p>EASY 2-gang push-button insert 760192</p>				
<p>Push-button functions: Switching, timed switching, dimming, blinds, scene, priority control</p> 	<p>EASY 4-gang push-button insert 760193</p>				







EIB EASY movement detector

Function	Inserts	Design cover		
		 ARGUS 180, flush-mounted System M System Design OctoColor 6290..., 6243... 6214... 6215...	 ARGUS 180 / 2.2 m, flush mounted 6302..., 6303...	 Blanking cover 6623..., 6621... 6622... 6620...

Movement detectors

Movement detection and operation of an actuator with time switch function, disconnectable movement detection, light-dependent movement detection, disable function, cycle time, evaluation of brightness		Easy ARGUS 180, flush-mounted insert System Basis 760419			
Movement detection and operation of an actuator with time switch function, disconnectable movement detection, light-dependent movement detection, disable function, cycle time, evaluation of brightness		Easy flush-mounted module for ARGUS 180 767004	■	■	

Movement detector/switch actuator

Movement detection functions: Movement detection and operation of an actuator with time switch function, disengagable movement detection, light dependent movement detection, disable function, cycle time, evaluation of brightness		EASY switch actuator for ARGUS 180, flush-mounted/230/10 764194 Switch output: AC 230 V, 10 A Max. 140 µF			
Switch actuator functions: Switching, time switching (staircase lighting timer), priority control	    		■	■	■