

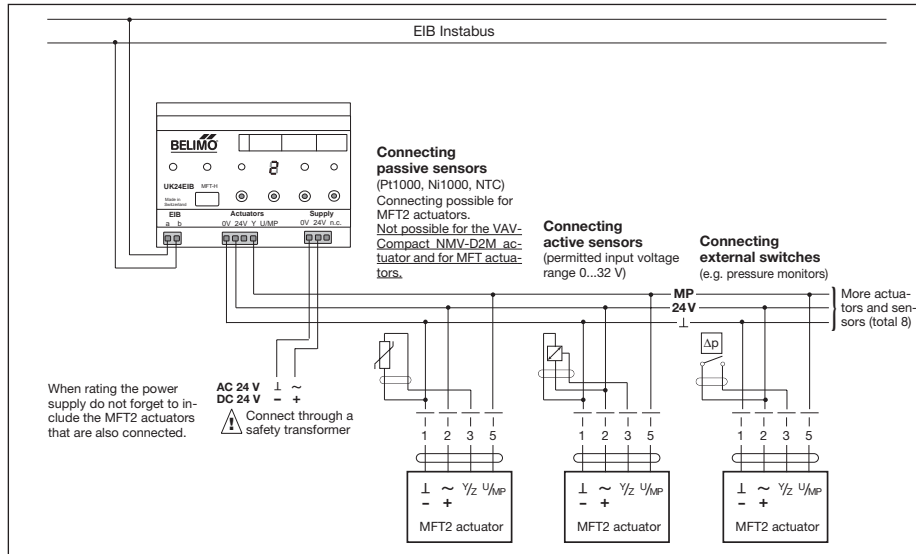
MP-Bus gateway to EIB systems

- **MP-Bus / EIB interface**
- **MFT2 actuators (with MP-Bus capability) can be connected to an EIB system through a UK24EIB module**
- **Up to 8 actuators can be connected**
- **EIB-certified**

Application

The UK24EIB Gateway Module is EIB-certified. Up to 8 Belimo actuators with an MP-Bus capability can be connected on the MP-Bus side.

Connecting diagram with sensors



Technical data	UK24EIB	
Nominal voltage	AC 24 V 50/60 Hz, DC 24 V	
Nominal voltage range	AC 19.2...28.8 V, DC 21.6...28.8 V	
For wire sizing	2 VA (without MFT2 actuators connected)	
Power consumption	1 W	
Connections	EIB:	push-screw terminals, 2-pole
	Power:	push-screw terminals, 3-pole
	MFT2 actuators:	push-screw terminals, 4-pole (all terminals for 2 x 1.5 mm ²)
	MFT-H:	plug socket, 3-pole (MFT-H or PC via ZIP-RS232 interface)
Medium	Twisted pair	
Configuration software	Adjustable with ETS2 or higher	- Actuator type - Definition of the sensors connected to the MFT2 actuators
Actuators supported	All Belimo MFT / MFT-2 actuators, NMV-D2M, FLS, Halomo actuators	
Number of actuators	8 maximum	
Actuator communication	Belimo MP-Bus, Master-Slave system, 1200Baud	
Maximum MP conductor length	Depends on the number of MFT2 actuators connected, type of actuator type of power supply and conductor cross section. For details see diagrams in Product Information 2.+4.+6.UK-..	
EIB conductor lengths and transmission media	According to EIB guidelines	
Ambient temperat. range	-5°C ... +50°C	
Protection class	⊕ (safety low voltage)	
Degree of protection	IP20	
EMC	CE according to 89/336/EEC	
Mounting	35 mm DIN rail	

Warning

The module does not contain any components that can be replaced or repaired by the user! Installation may only be carried out by trained personnel!

Mode of operation

Actuators can be controlled digitally through the UK24EIB Gateway Module over an MP-Bus system and provide a feedback signal of their actual operating position. In the UK24EIB module the digital information for control and feedback is converted into EIB messages so that the functions of the actuators can be input directly into an EIB system.

Sensor linking

One sensor can be connected to each MFT2 actuator. The sensor can be of the passive resistance type (Pt 1000, Ni 1000 or NTC), of the active type (DC 0...10 V output) or a switching contact. This provides a simple means of digitising the analogue signals from the sensors with the Belimo actuator so that they can be passed on to the EIB system via the UK24EIB module.

Installation and wiring

The module is suitable for mounting on a 35 mm top-hat rail conforming to EN 60715. Wiring is by means of push-screw terminals.

Commissioning and parameterising the UK24EIB module and actuators

For commissioning purposes an application program suitable for the particular use must be downloaded to the module (via EIB/ETS).

The actuators and sensors being used can be defined by means of ETS.

The actuators can be parameterised by means of a Belimo PC-Tool or an MFT-H hand-held parameter assignment device. There is a 3-pole plug on the front of the UK24EIB for this purpose.

Installation notes

Ensure that proper strain relief is provided for the connecting lead.

Do not power-up until the whole system (UK24EIB module, actuators, power supply) has all been fully connected.

Dimensions

