

9

Parameterisation accessories

Simple adjustment, commissioning and monitoring of MF, MP, MFT(2) and LON actuators

- Belimo PC-Tool
- ZTH-GEN adjustment tool



Simple adjustment, commissioning and monitoring

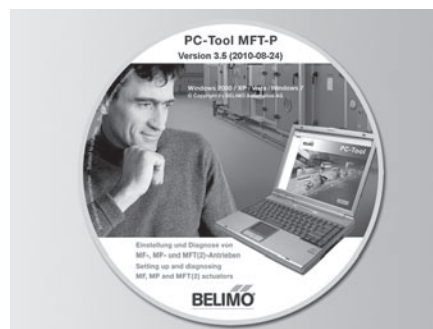
MP and LON actuators, in addition to MFT/MFT2 types, are delivered ex works with the basic settings already in place. Typical parameters such as running time, angle of rotation, stroke limitation or mode settings can however also be individually parameterised and fine-tuned to the precise requirements of the respective system. The Belimo PC-Tool and the ZTH-GEN adjustment tool are available as aids for this purpose.




PC-Tool with trend function for graphic presentations

The PC-Tool can be installed on any conventional PC or laptop and connected with the actuators through the service socket. The universally designed software is equipped with different modules. The PC-Tool MFT-P is additionally optimised for use in MP-Bus networks. All actuators can thus be detected by means of a bus scan.

ZTH-GEN - indispensable in the contracting and retrofit business





The handy ZTH-GEN adjustment tool is connected directly via the service socket on the actuator. The actuators can be adjusted, monitored or actuated directly for simulating a particular system situation in the plug-and-play procedure. Helpful diagnostics options facilitate the maintenance of the system and make a major contribution to enhancing operation reliability.











			Actuators for													
			Dampers			VAV		Valves		BSK*						
Parameterising devices			Type	CHF	..24A-MF	..24A-MP	..24ALON	..V-D2-MP	..D2LON	VRD3	VRP-M	..24A-MF	..24-MFT(2)	..24A-MP	..24ALON	BKN230-24MP
	Belimo PC-Tool Software for adjustments and diagnostics For MF/MP/LON actuators incl. fire protection CD with software and direction of use (de/en) For Windows Systems	MFT-P	****	•	•								•			•
	VAV adjustment and diagnostic tool for all Belimo VAV controller with PP interface connecting cable plug RJ12 6/4, 6-pin. incl. New Generation, MP-Bus tester for functional testing of the MP-Bus	ZTH-VAV	****		•			•	•							
	Setting and diagnostic device for Belimo actuators with PP interface (MF, MP, LON,...), incl. conn. cable ZK1-GEN for Service socket new generation RJ12 connection socket Supply AC/DC 24 V from actuator	ZTH-GEN	****	•	•			•	•				•			•

* BSK = fire protection damper

Interface

	Type	CHF
 <p>Interface USB/MP PC: USB-tool socket MP/PP: One side with parallel 3-pin Weidmueller and RJ12 plug Switch Master/Monitor operating autom. USB 2.0 cable with A to B plug incl.</p>	ZIP-USB-MP	****
 <p>Interface RS232/MP for OEM PC: Plug RS232 MP/PP: 3-pin Weidmueller plug Plug-in terminals incl. 24 V supply Incl. cable ZKS-MP and cable RS232 9-pol</p>	ZIP-RS232	****
 <p>Plug-in power unit for ZIP-RS232 Input voltage AC 230 V Output voltage AC 24 V / 14 VA</p>	ZN230-24	****
 <p>Interface ZIP-232-MP for the translation between one RS232 interface and the Belimo MP bus. For control cabinet mounting.</p>	ZIP-232-MP	****

Cable and cable sets	Type	CHF	Actuators for									
			Dampers		VAV			Valves		BSK*		
			...24A-MF/MP/LON	...F24-MFT(2)/LON	...D2-MP/D2LON	CR.../...D2M	VRP-M	Fan Optimiser	...24A-MF/MP/LON	...24-MFT(2)/LON	Bus capable actuators	
 <p>Connecting cable 5 m A: RJ11 6/4 B: 6-Pol New Generation to ZIP-USB-MP/ZTH-...</p>	ZK1-GEN	****	•		•					•		
 <p>Connecting cable 5 m A: RJ11 6/4 B: free wire ends to ZIP-USB-MP/ZTH-...</p>	ZK2-GEN	****	•	•	•					•	•	•
 <p>Connecting cable 5 m A: 3-Pol Weidmueller B: 6-Pol New Generation to ZIP-RS232</p>	ZK3-GEN	****	•		•		•			•		
 <p>Connecting cable 5 m A: RJ11 6/4 B: 3-Pol Weidmueller and free wire end (24 V) to ZTH-...</p>	ZK4-GEN	****	•	•	•		•			•	•	
 <p>Connecting cable 5 m A: 3 free wire ends B: 6-Pol New Generation to ZIP-RS232</p>	ZK5-GEN	****	•		•							
 <p>Connecting cable 5 m A+B: RJ12 6/6 to ZIP-USB-MP/ZTH-...</p>	ZK6-GEN	****							•	•		
 <p>Connecting cable 5 m A+B: 3-Pol Weidmueller to ZIP-RS232/ZIP-USB-MP</p>	ZKS-MP	****	•	•	•	•	•			•	•	•
 <p>Connecting cable 5 m A: RJ11 6/4 B: 3-pin service socket NMV-D2M, CR.. for ZIP-USB-MP/ZTH-VAV</p>	ZK1-VAV	****				•						

* BSK = fire protection damper