

CRP_C

Installation – Commissioning – Maintenance

20230428

Accessories

Actuator:

Sauter ASM115SK005 / ASM124SK002, 24V AC is the standard actuator and kept in stock.

Other actuators must be ordered, see actuator table page 3.

Wiring diagrams are displayed on page 2.

Knob:

CRTT-1 for manual control.

Quick connection:

FSR. Clamp with quick-acting lock.

Installation

Insert the damper into the connecting duct and fix it in position with blind rivets or by means of an FSR clamp. See Figure 1.

Commissioning

The damper has no measurement function of its own. Turn the damper blade at the desired position and lock it.

Maintenance

Clean the damper whenever needed by means of a vacuum-cleaner and brush nozzle or by wiping surfaces with a cloth.

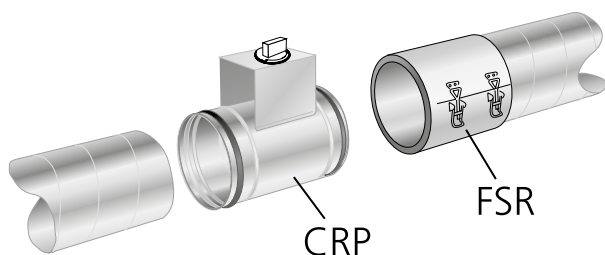


Figure 1. Installation.

Installation of accessories

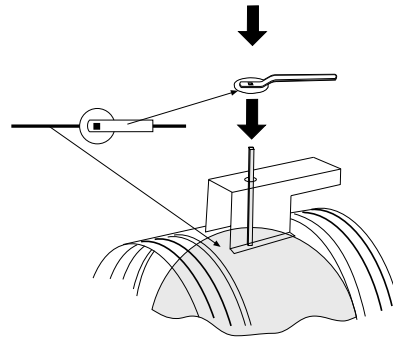


Figure 2. Installation, handle CRTT-1

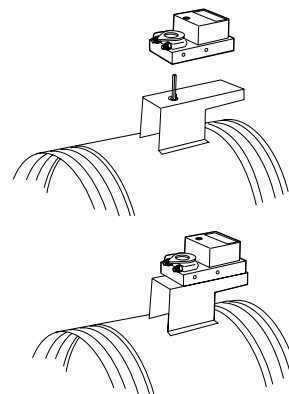


Figure 3. Installation, actuator size 100-400.

Wiring diagrams

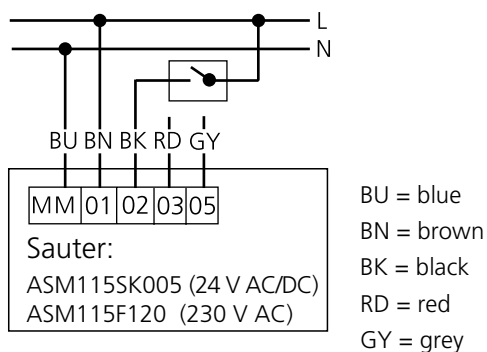


Figure 4. Wiring diagram for Sauter, 2 point regulation.

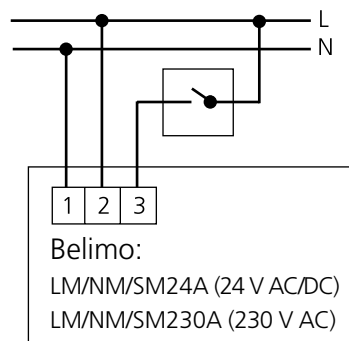


Figure 7. Wiring diagram for Belimo, 2 point regulation.

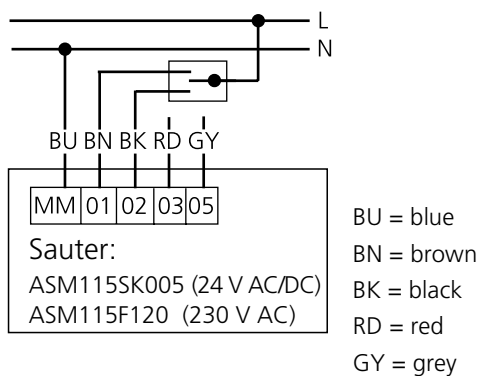


Figure 5. Wiring diagram for Sauter, 3 point regulation.

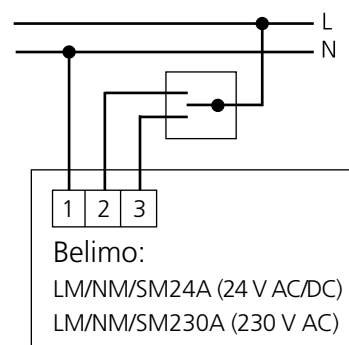


Figure 8. Wiring diagram for Belimo, 3 point regulation.

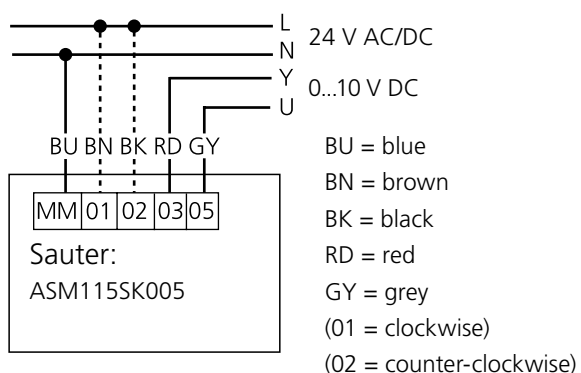


Figure 6. Wiring diagram for Sauter, 0-10 V stepless/modulating regulation.

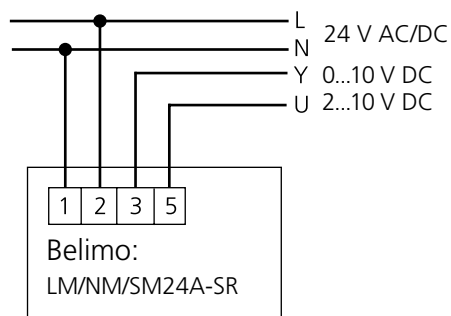


Figure 9. Wiring diagram for Belimo, 0-10 V stepless/modulating regulation.

Actuator tables

- Actuator Sauter 24 V AC, ASM115SK005 / ASM124SK002 are standard and kept in stock.
- All other actuators are order items.

2 or 3 point regulation – 24 V AC

Size	Torque	Designation	
		Sauter	Belimo
100-315	5 Nm	ASM115SK005	LM24A
400-630	10 Nm	ASM115SK005	NM24A

2 or 3 point regulation – 230 V AC

Size	Torque	Designation	
		Sauter	Belimo
100-315	5 Nm	ASM115F120	LM230A
400-630	10 Nm	ASM115F120	NM230A

0-10 V stepless/modulating regulation – 24 V AC

Size	Torque	Designation	
		Sauter	Belimo
100-315	5 Nm	ASM115SK005	LM24A-SR
400-630	10 Nm	ASM115SK005	NM24A-SR

Electrical data

Actuators – Supply voltage 24 V AC

Make / Model	Ambient temp.	Power Consumption
Sauter ASM115SK005	-20...+55°C	8.7 VA
Belimo LM24A / -SR	-30...+55°C	2.0 VA
Belimo NM24A / -SR	-30...+55°C	3.5 VA

Actuators – Supply voltage 230 V AC

Make / Model	Ambient temp.	Power Consumption
Sauter ASM115F120	-20...+55°C	4.0 VA
Belimo LM230A	-30...+55°C	4.0 VA
Belimo NM230A	-30...+55°C	6.0 VA

Dimensions and Weights

Size ØD (mm)	Dimensions (mm)		Weight (Kg)	Torque *) (Nm)
	A	H		
100	210	70	0.7	<3
125	210	70	0.8	<3
160	210	75	0.9	<3
200	210	75	1.0	<3
250	210	75	1.2	<4
315	210	75	1.5	<4
400	255	80	2.6	<4
500	255	80	4.2	<8
630	255	80	6.0	<8

*) The torque refers to the recommended force necessary for secure control.

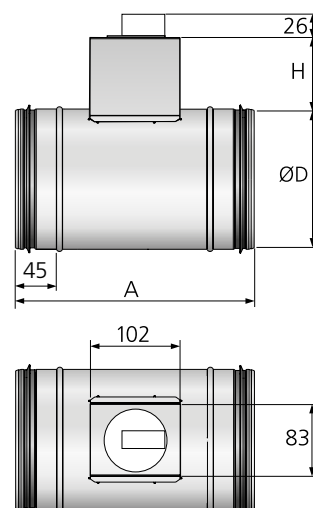


Figure 11. CRP-xxx-1, dimensions (mm).

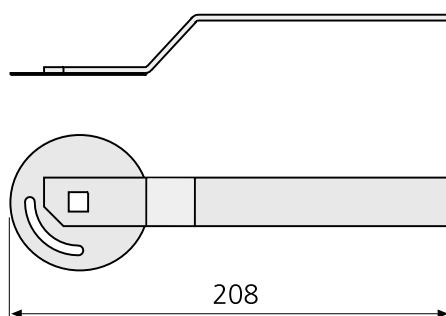


Figure 10. CRTT-1 knob, dimensions (mm).

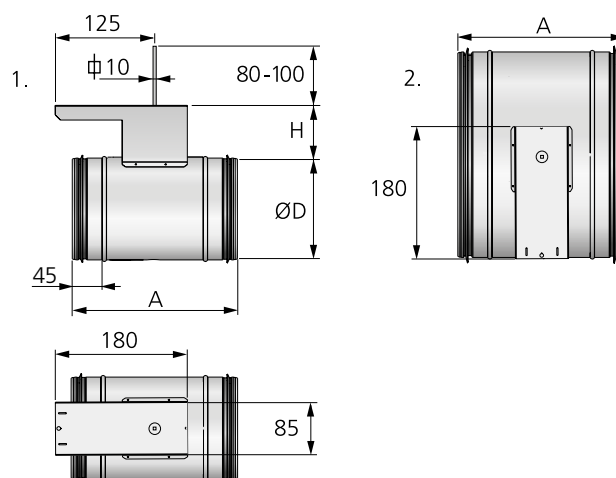


Figure 12. CRP, dimensions (mm).

1. CRP-(100-400)-4

2. CRP-(500-630)-4