

CONTROLLERS

CONTROLLER SERIES CRA110

ESBE series CRA110 is a combined actuator and constant flow temperature controller with adjustable temperature setting within the range of 5 – 95 °C. For valves up to DN50, especially suited for ESBE 3-way valves series VRG or 4-way valves of series VRB.

OPERATION

The ESBE series CRA110 is an integrated actuator and controller, for use with mixing valves. Temperature setting is done by an easy-to-use joystick and display interface.

An alternative target temperature may be activated by an external signal.

MOUNTING

Power supply by 230 VAC adapter (complete with transformer, cable and plug) or 24 VAC (cable and plug).

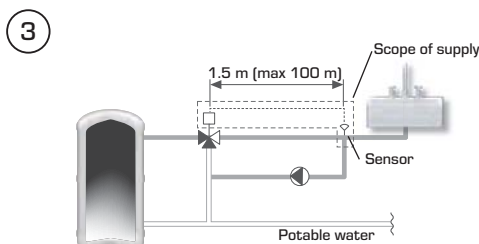
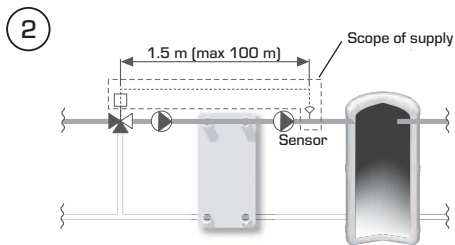
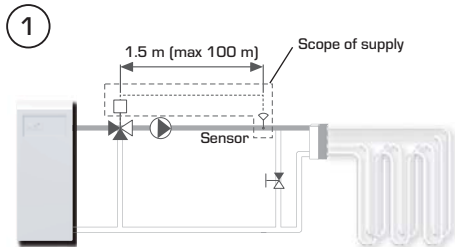
Flow pipe sensor with 1.5m cable included (longer cable available as accessory). The sensor must be carefully insulated from the ambient temperature.

The CRA110 is easily mounted to the ESBE 3- and 4-way valves series G, MG, F and BIV, and with the valves of series VRG and VRB offer even more outstanding regulation accuracy and even simpler mounting.

OPTIONAL EQUIPMENT

Flow pipe sensor, 5m cable _____ Art. No. 1705 31 00

INSTALLATION EXAMPLES



CRA111
230 VAC



CRA112
24 VAC

SUITABLE MIXING VALVES

The controller is supplied complete with a mounting kit for easy fitting onto an ESBE rotary mixing valve.

- Series VRG100
 - Series VRG200
 - Series VRG300
 - Series VRB100
 - Series MG*
 - Series G
 - Series F ≤ DN50
 - Series BIV
 - Series H and HG
- * Not 5MG

LINKAGE KITS

Required adaptor kits for easily fitting onto an ESBE rotary mixing valve is supplied with each actuator.

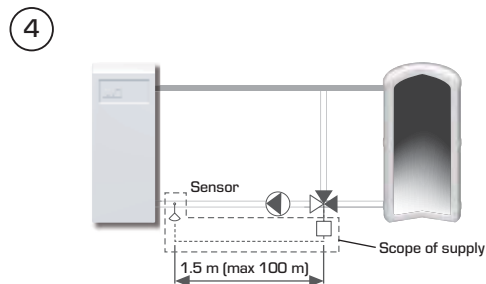
Adaptor kits for other mixing valves are available as follows:

Art. No.
1600 06 00 _____ Meibes
1600 07 00 _____ Watts

TECHNICAL DATA

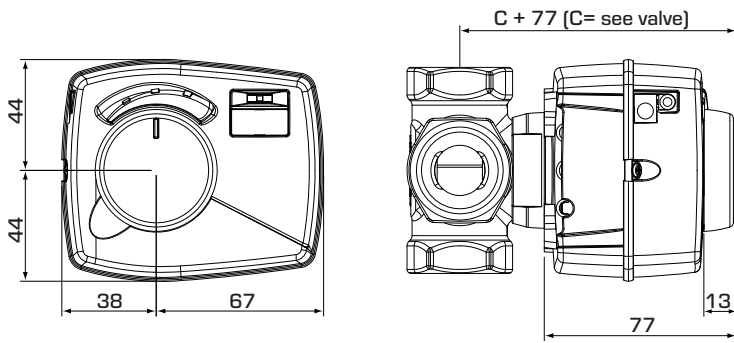
Ambient temperature: _____ max. +55°C
 _____ min. -5°C
 Enclosure rating: _____ IP41
 Protection class: _____ II
 Power supply: _____ 24 ± 10% VAC, 50/60 Hz
 _____ 230 ± 10% VAC, 50 Hz
 Power consumption - 24 VAC: _____ 3 VA
 - 230 VAC: _____ 10 VA
 Torque: _____ 6 Nm
 Running time: _____ 30s (30..240s)
 Weight: _____ 0.4 kg

CE LVD 2006/95/EC
 EMC 2004/108/EC
 RoHS 2002/95/EC



CONTROLLER SERIES CRA110

NEW



Installation dimensions for Controller Series
CRA110 with ESBE VRG100, VRG200,
VRG300 and VRB100 mixing valves

SERIES CRA110

Art. No.	Reference	Voltage [VAC]	Temp. range	Torque [Nm]	Note
1272 01 00	CRA111	230	5-95°C	6	
1272 02 00	CRA112	24			