

CONTROLLERS

CONTROLLER SERIES CRA120

ESBE series CRA120 is a combined actuator and constant flow temperature controller with adjustable temperature setting within the range of 5 – 95 °C. Recommended for valves of DN65 up to DN150, especially suited for ESBE 3-way valves series F.

OPERATION

The ESBE series CRA120 is an actuator and controller solution, for use with mixing or diverting valves. Temperature setting is done by an easy-to-use display unit.

MOUNTING

Power supply by 230 V AC adapter (complete with transformer and cable) or 24 V AC (cable only).

Controller unit with display included for easy mounting on wall etc, well suited for applications where the actual valve and actuator is located in a hard-to-reach position. 1.5m cable for connection to actuator included.

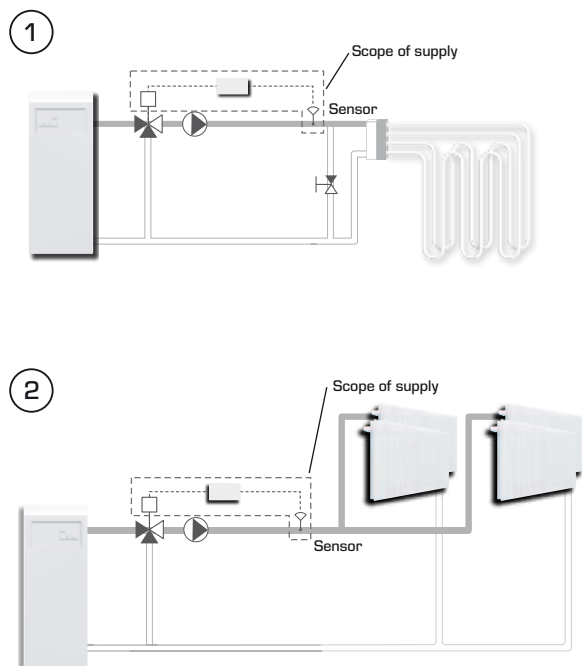
Flow pipe sensor with 1.5m cable included (longer cable available as accessory). The sensor must be carefully insulated from the ambient temperature.

The CRA120 is recommended for mounting on ESBE valves series F.

OPTIONAL EQUIPMENT

CRA911 Flow pipe sensor, 5m cable ____ Art. No. 1705 31 00
CRB915 GSM-module ____ Art. No. 1705 59 00

INSTALLATION EXAMPLES



CRA121/CRA122/CRA125

SUITABLE MIXING VALVES

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

● Series F

ADAPTOR KITS

Required adaptor kits for easily fitting onto an ESBE rotary mixing valve is supplied with each actuator. If required, separate adaptor kits can be ordered as follows.

Art. No.

1605 33 00 ____ ESBE valve series VRG, VRB

1605 13 00 ____ ESBE valve series MG, G, F, BIV, T, TM, H, HG

Adaptor kits for other mixing valves and valves built-into boilers are available as follows:

Art. No.

1605 35 00 ____ BRV

1605 39 00 ____ Honeywell Centra ZR, DR, DRG, DRU
(DN15–DN50)

1605 17 00 ____ Honeywell Centra Kompakt DRK/ZRK

1605 19 00 ____ CTC, linear movement

1605 36 00 ____ BRV, Meibes, Oventrop, Watts

1605 13 00 ____ Sauter MH32...H42...

1605 25 00 ____ Siemens VBG31, VBI31, VBF21, VCI31

1605 14 00 ____ TA–VTR, TA–STM

1605 26 00 ____ Schneider Electric/TAC-TRV

1605 15 00 ____ Viessmann (DN20–DN25)

1605 18 00 ____ WITA

TECHNICAL DATA

Ambient temperature: ____ max. +55°C
____ min. -5°C

Temperature range:

Flow pipe sensor ____ +5 to +95°C

Enclosure rating - Actuator unit: ____ IP54

- Control box: ____ IP54

Protection class: ____ II

Power supply: ____ 24 ± 10% V AC, 50/60 Hz

____ 230 ± 10% V AC, 50 Hz

Power consumption - 24 V AC: ____ 3 VA

- 230 V AC: ____ 10 VA

Torque: ____ 15 Nm

Running time at max. speed: ____ 120s

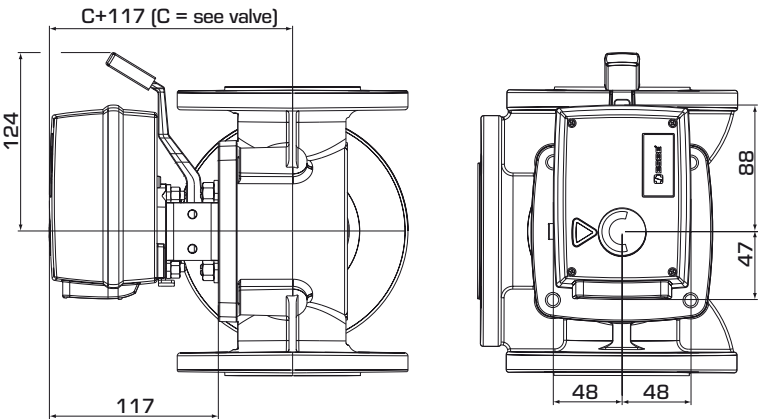
Weight: ____ 0.9 kg

CE LVD 2006/95/EC
EMC 2004/108/EC
RoHS 2011/65/EC

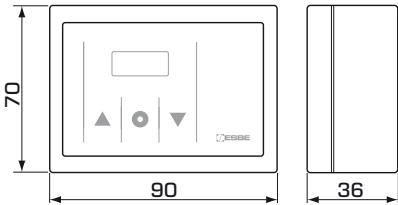
CONTROLLERS

CONTROLLER

SERIES CRA120



Installation dimensions for Actuator Series CRA120 with ESBE series MG, G, F, T/TM, H/HG and BIV mixing valves



Installation dimensions for Control box

SERIES CRA120

Art. No.	Reference	Voltage [V AC]	Temp. range	Torque [Nm]	Note	Replaces
1274 21 00	CRA121	230	5-95°C	15	Transformer with UK plug	1270 05 00
1274 25 00	CRA125					
1274 22 00	CRA122	24				1270 01 00

WIRING

