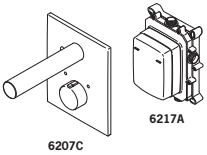
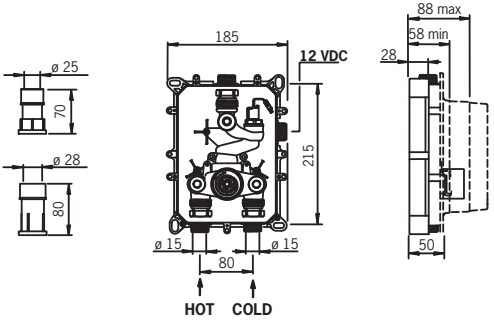
Oras Electra 6207C/6208C + 6217A

Design and working instructions

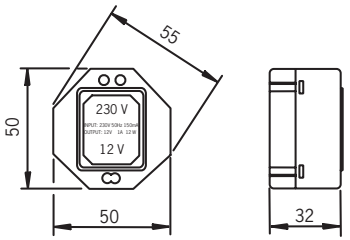
Water Is Worth Loving.

Oras Electra 6217A, 6207C/6208C





Oras Electra 199275



Features

Vesikaluste

- touchless, thermostatic wash basin faucet
- equipped with temperature regulating handle
- Concealed parts 6217A
- Cover part 6207C/6208C (12 VDC)

Technical data

Vesikaluste

Working pressure	100 - 1000 kPa
Flow-rate at 300 kPa (with flow controller)	0.1 l/s
Pressure loss with flow (0.1 l/s)	200 kPa
Water temperature	max. 70°C
Noise class	I (ISO 3822) Oras lab.
Protection class	IP 45
Electrical Connection	12 VDC ± 5 %
Nominal current consumtion	0.2 A
Min. current consumtion	0 A
Allowed power supply ripple	<100 mVpp
Max. flow period	2 min
Recognition range	40 cm (40 cm/50 cm)
Intelligent afterflow period	3 s ± 2 s

Power supply requirements: Power supply output must be short circuit protected

CE (EMC 2004/108/EY)

Features

Transformer

- Output voltage 12 VDC ±5%
- Output current 1 A
- Electrical Connection 230 VAC / 35 W

Technical data

Transformer

Electrical Connection	230 VAC / 35 W
Output voltage	12 VDC ±5%
Output current	1 A
Protection class	IP 00
Max. total length of cabling between power supply and the devic	max. 100 m
Number of devices connected	max. 5 kpl
Low-voltage cable	2 x ≥ 0.5 mm²

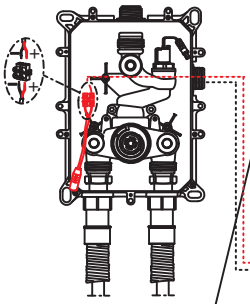
Please note:
When using a transformer supplied by another manufacturer:

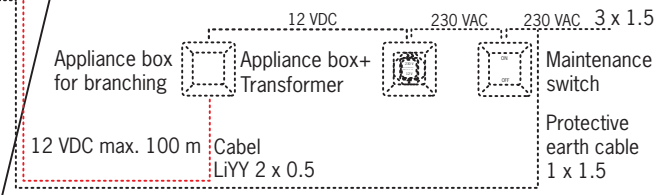
Number of devices connected	1 - 15 pcs
Output current	15 pcs ≥3 A

(see example installation 2)

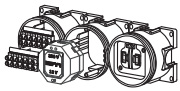
PLUMBING CONTRACTOR

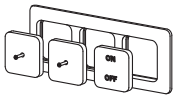
ELECTRICAL CONTRACTOR





---------- = not included in faucet delivery





Design instructions

HVAC-designer

- marks on his plans the locations of sanitary wear to be wired (and the types)
- together with the electrical designer, goes through the required cablings and maintenance switch and transformer that need to be purchased

Electrical designer

- marks on his plans the locations for the maintenance switch and bus transformer and the locations of appliance boxes for them
- marks on his plans the wirings from the group centre to the maintenance switch and transformer
- installs the transformer on dry spaces
- marks on his plans the wiring between the transformer and the sanitary wear (LiYY 2x0.5)

Work instructions

Stage 1

The plumbing contractor must procure and install:

- The concealed and cover parts of the sanitary wear
- connects the concealed parts to the mains with a so called pipe-in-a-pipe -system; (connecting pipe ø 15 mm pex cover pipe ø 25 mm or ø 28 mm)

Stage 2

The electrical contractor must procure and install:

- appliance boxes for the transformer and for the service/cleaning switch
- Tansformer for example Oras 199275 and a cleaning/ maintenance switch for the transformer
- plumbs and/or wires the possible maintenance switch and the transformer
- plumbs and/or wires the appliance boxes from transformer to the sanitary wear (LiYY 2x0.5)
- connects the sanitary wear's connecting wire on the appliance box

Stage 3

The building contractor

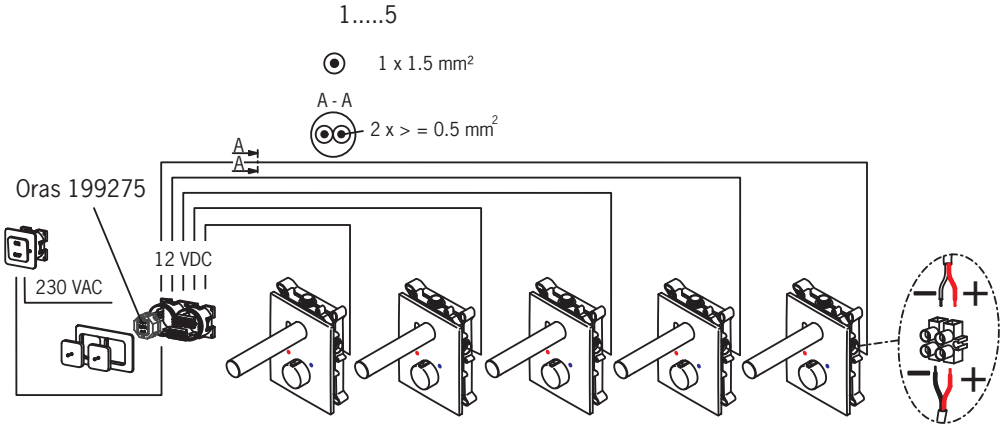
- builds up the walls with waterproofing.

Stage 4

The plumbing contractor

- installs the cover parts of sanitary wear
- performs a test for the sanitary wear

Installation example
1-5 faucets, Oras transformer 199275



Hints for successful installation:

- installation of a maintenance switch recommended
- if there are several maintenance switches, clearly mark the configuration of each (e.g. room 1, men's toilet 2 pcs + ladies' toilet 2 pcs)
- use standard appliance boxes, e.g. Ensto AU3.2, Strömfors JR00
- use standard terminal covers, e.g. Ensto AK4, Strömfors RLK2

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