Installation instruction Rough-in Art.No IWS-03

Description

Infrared activated wall mounted outlet . The oultet body is designed for concealed installation into stud walls. The unit can be connected to supply cold water only or pre-mixed water via a thermostatic mixing valve. The IWS-03 wall mounted outlet is designed to be installed in conjunction with the relevant Sanitron trim kit. Fit a WELS approved Spout (not supplied).

Order Schedule

Article Number	Description	Items supplied
Art. No IWS-03	Infrared activated wall mounted free flow outlet.	Concealed installation box with solenoid valve, mounting hardware, extension cable and 12V DC plug pack Transformer

Technical data

Max.operating pressure to AS/NZS 3500.1:	500 kPa
Solenoid	12V DC
Max. pressure:	500 kPa
Max. water temperature:	50°C

When the tap is connected to a thermostat check with the thermostat supplier that the flow rate the tap is operating at is suitable for the thermostat.

Before you start installing read the complete manual first.
Also cross reference this manual with the fit out instructions.

Installation, Operation and Safety Precautions

1) The IWS-03 infrared wall outlet and its components are for indoor use only.
2) Install the infrared wall spout and its' components only in a dry environment.
3) When performing any work on the IWS-03 infrared wall outlet or its' connected components disconnect the power supply first and isolate the water supply.
4) The transformer and the electrical components should be installed as far away from the plumbing as the local safety regulations require.
5) Connect only the original supplied transformer to the IWS-03 infrared wall outlet.
   For maintenance reason the supplied transformer has to be installed in an easily accessible location.
6) For the installation and operation observe all relevant electrical, safety plumbing and building standards.
7) All supplied components should only be used for the purpose they are designed for.
8) The build in shut-off valve is designed to be used only for maintenance purposes. It shall not be used as an end of line shut off device. In operation it has to be fully opened.

Note: FFL = Finished floor level; Technical details, layouts are schematic only; all details for construction by others; dimensions & technical information can change without further notice.
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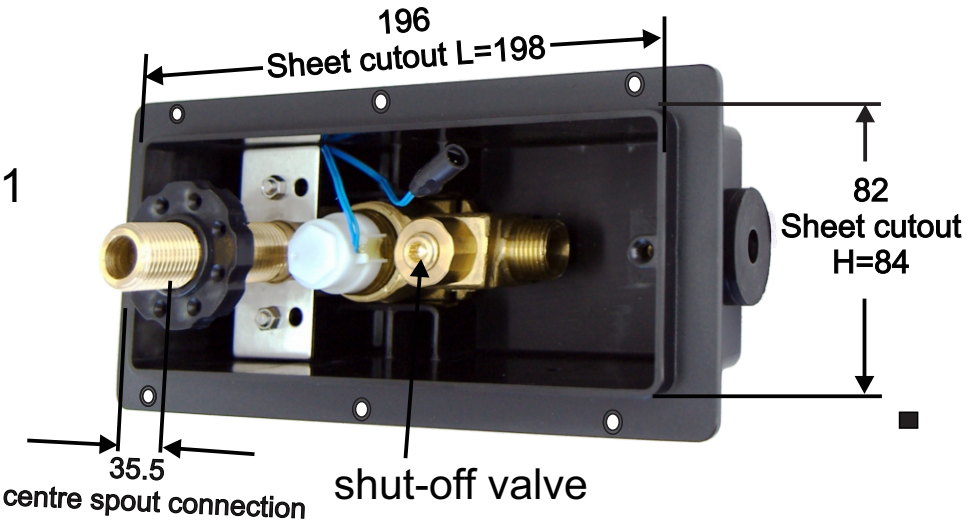
Installation Rough-in

Note: All plumbing installation work have to be carried out in accordance with AS/NZS 3500.2 Standard
Do not mount the installation box in any other way than as shown in the installation instruction.
Depending on the basin type the tap has to be mounted at different heights above the basin.

A) Check with the designer/builder for the correct installation height of the valve box.
B) Install a nogging above and below the valve box. Make sure that the valve box fits snug in-between the noggings. Position the valve box so that the spout outlet is in the centre of the basin. Fasten the valve box with 3 screws to each nogging (see fig.4&5).
C) Before connecting the water supply to the solenoid, flush the water supply lines first.
D) Use a Rehau (or equivalent) loose nut union fitting with a fibre waster to connect the water supply to the solenoid valve. Prior to crimping the fitting, slide the grommet onto the pipe (see fig.2).
E) Use a second spanner to hold the valve in place when tying up the pipe connection to the valve see fig.2.
F) Check the installation for leaks as per Australian Standard .
G) Install a conduit into the penetration on top of the installation box reaching up into the ceiling cavity (see **fig.4**.) Insert the supplied extension cable (12V) for sensor into the conduit (see fig 4&5). The single pin plug is in the ceiling (see fig 4&5)
H) Close the shut-off valve and install the supplied styrofoam protection over the installation housing. Fit an end-cap to the end of the spout connection fitting.
Note: the shut off-valve is designed for temporary maintenance shut-off only. In normal operation it shall be fully opened and shall not be used as a permanent end of line shut-off device.
I) Contact the electrician to install a 240V power outlet in the ceiling cavity within reach of the installed power extension cable (see G. above).

fig.1



Caution!

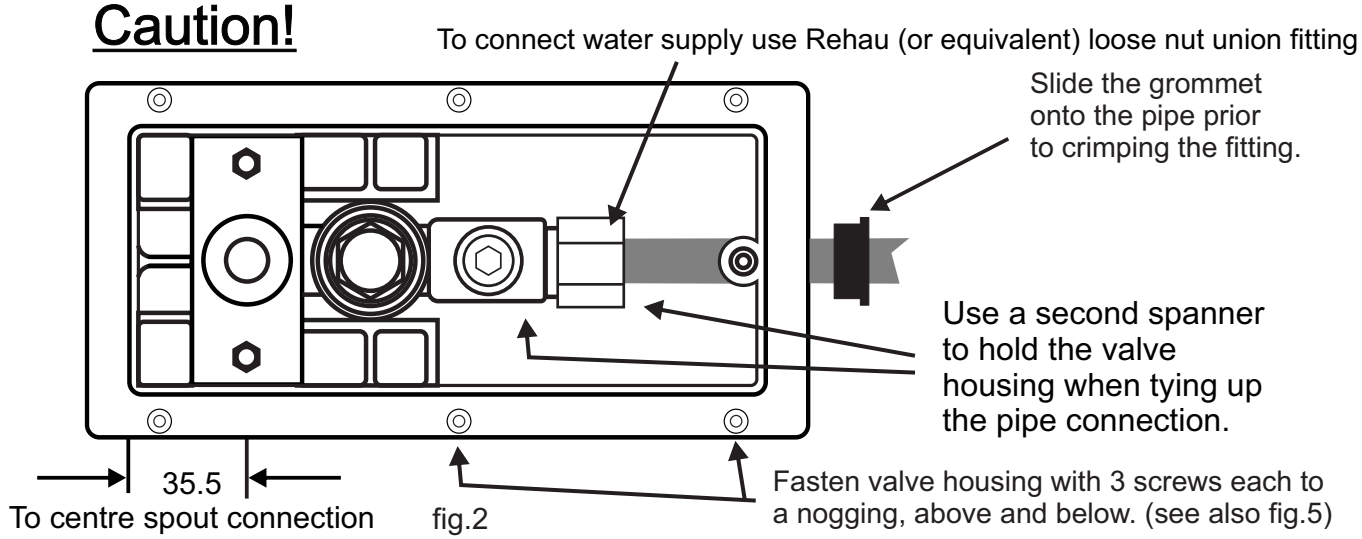


fig.2

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Installation overview

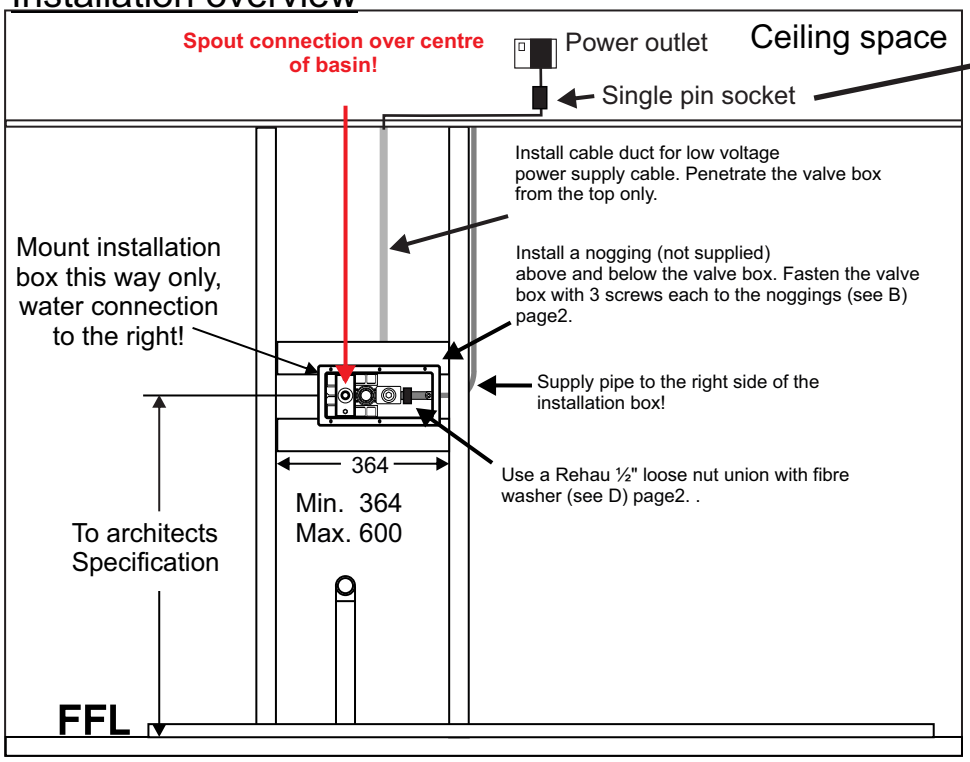


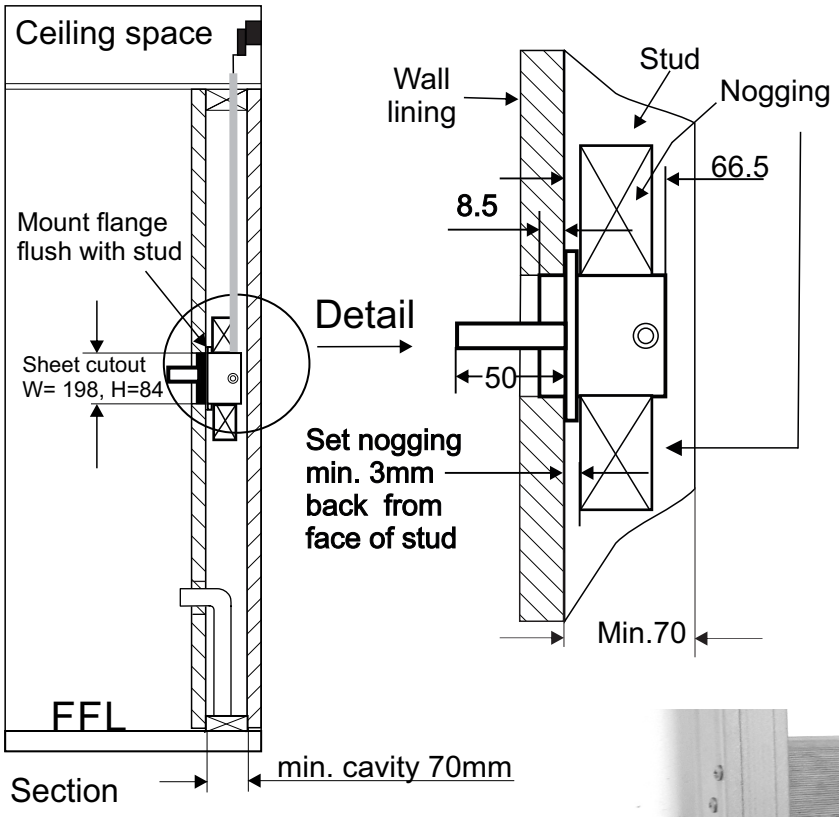
fig.4

Insert extension cable into the cable duct

The transformer connects to the single pin socket of the supplied extension cable.
Do not make this connection in an inaccessible place.

The female socket of the extension cable has to be located inside the valve box. Allow for min.150 extra cable inside the valve box, that enables ease of connection to the sensor at a later stage.

Elevation



Fasten valve housing with 3 screws each to a nogging above and below.
Noggings should be tight against the valve box.

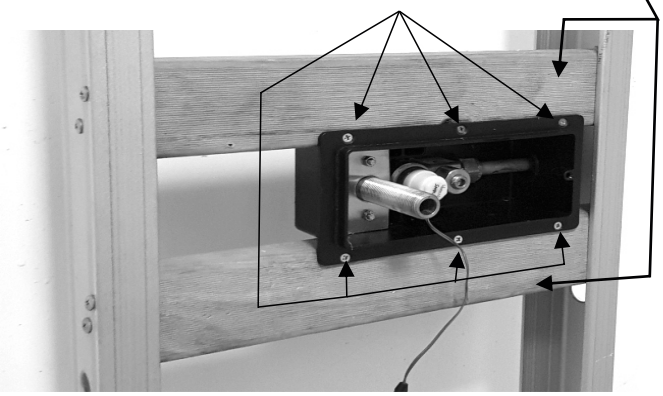


fig.5

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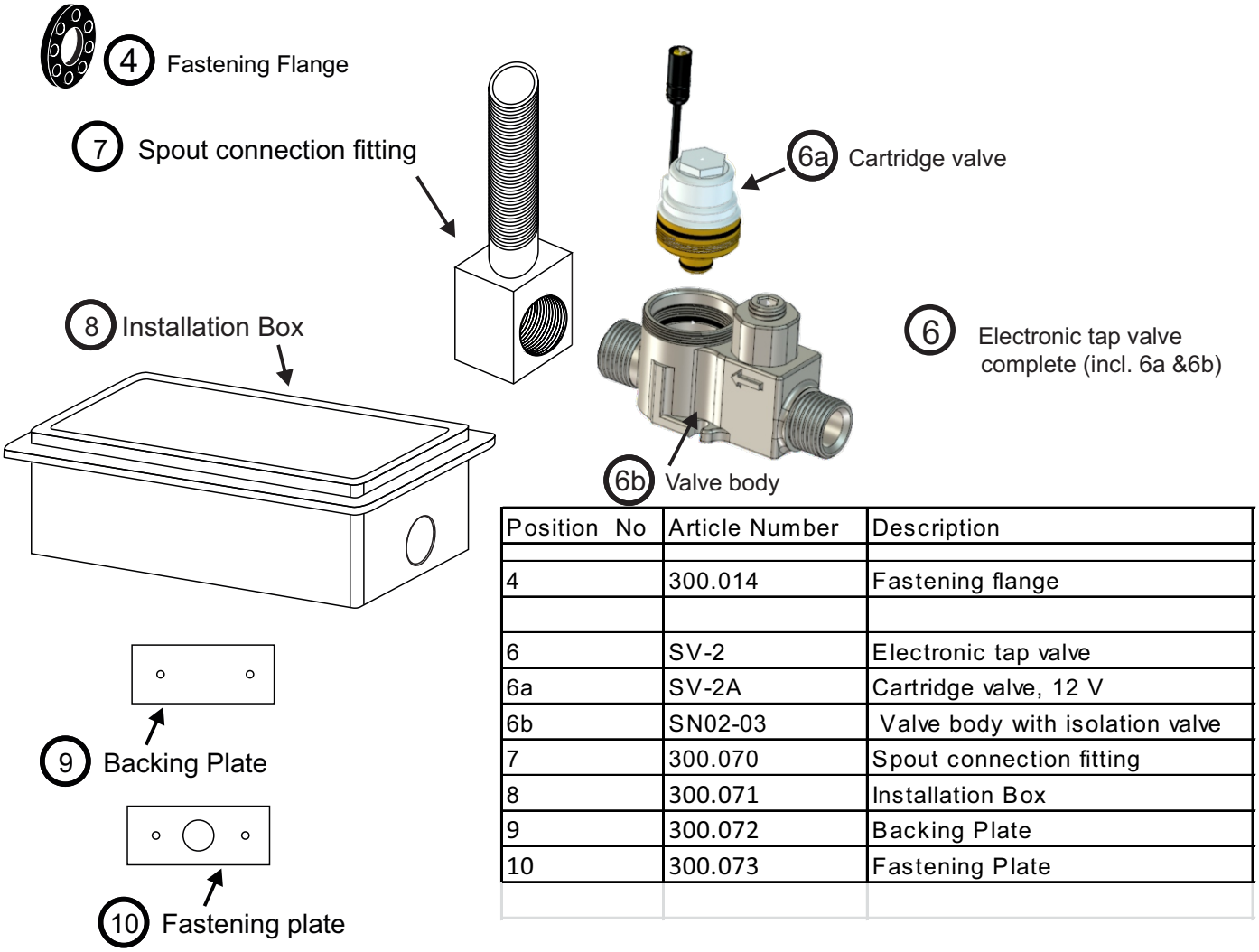
Spare Parts



Position No	Article Number	Description
4	300.014	Fastening flange
6	SV-2	Electronic tap valve
6a	SV-2A	Cartridge valve, 12 V
6b	SN02-03	Valve body with isolation valve
7	300.070	Spout connection fitting
8	300.071	Installation Box
9	300.072	Backing Plate
10	300.073	Fastening Plate

Maintenance

1) If for some reason the solenoid needs to be removed use a 17 mm socket or tube spanner to un-screw the old solenoid cartridge. Lubricate the o-rings of the new solenoid and seats in the valve body. Use only silicone based o-ring lubricant approved for potable water application.
2) Screw the new solenoid cartridge into the body by hand about 2.5-3 turns. Make sure that solenoid is screwed in straight and apply slight **down pressure** while screwing the solenoid in. Than tighten with torque wrench, but do not over tighten. The maximum tightening torque is 1Nm which is just a bit more than hand tight. If the solenoid cartridge is hard to turn after 1 revolution stop, unscrew the cartridge and start again with downward pressure. Activate the valve several times and check for leaks. **If solenoid cartridge leaks out the side of the big o-ring, it has not been screwed in properly (cross- threaded). Remove solenoid and check that thread has not been damaged. If thread checks OK re-insert solenoid. If not replace solenoid.**
3) Check in regular intervals that the valve functions correctly and there are no leaks on the valve or its components.

For technical assistance call 07-38752465

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