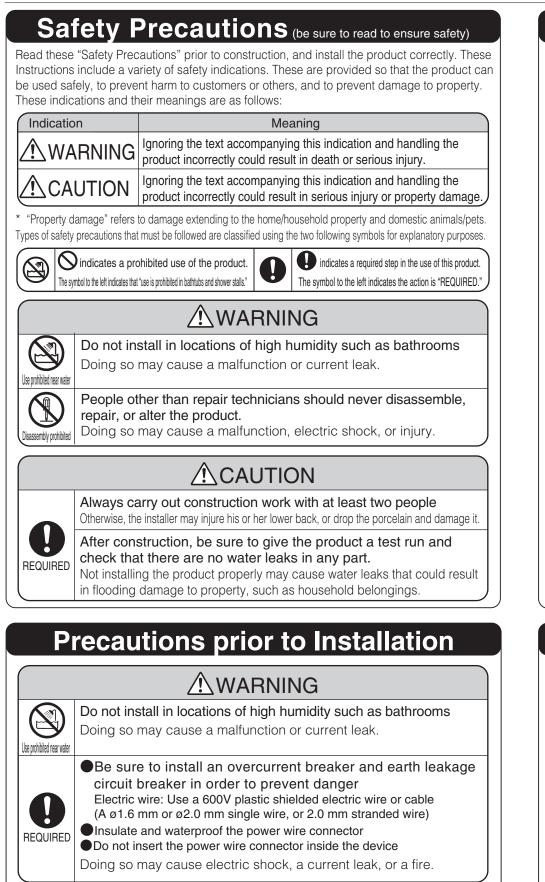
Work Instructions

TOTO

Auto-cleaning Urinal (USWN900 Series)

Install the product properly according to these Work Instructions, to ensure that its functions perform sufficiently. After installation, provide the customer with a clear explanation of how to use the product.



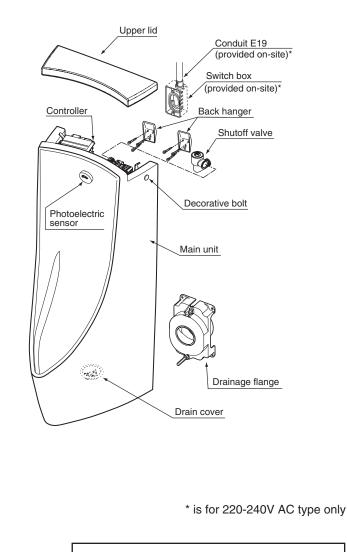
Thoroughly discuss the relevant procedures before performing water and electrical work.

The power wire is to be provided on-site. (220-240V AC type only)

#### **Included Parts** Refer to the following and confirm that no parts are missing. Upper lid Drain cover (one) \* Sterilization type with sponge (shaded area) Water supply fixture Others Urinal Hand this over to the customer Shutoff valve Alkaline batteries (1) (2) Battery box (1) Alkaline battery ۲ Alkaline battery type only Instruction type only Manual Quick fastener (1) (1) Work Instructions (1: this document) Draining Flange 88 M8 nuts (2) $\bigcirc$ 0 Drainage Bolt Washer Tapping Work [small] (1) flange unit (1) screws (4) Instructions (1) (1) 0 Washer [large] P seal Back hangers Wood screw set (1) (for urinal) (1) (2) (6 wood screws, 2 washers)

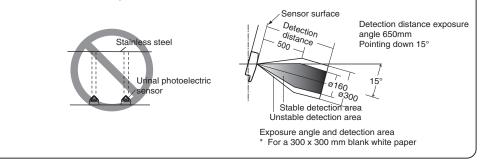
## **Parts Names**

USWN900 model



2015.9

- A grounding wire is not needed, so use a two-core power wire. (220-240V AC type only)
- Water supply pressure ranges from 0.07 MPa (9 L/min [dynamic]) at minimum to 0.75 MPa at maximum. Use the product within this pressure range.
- Be especially careful not to damage the surface of the sensor.
- This product is an electrical appliance. Be careful not to spray water on it. The exposure angle and detection distance of the sensor are as shown in the diagram. When installing a handrail or the like in front of the urinal, do so in a way that does not obstruct the detection areas (both the stable detection area and unstable detection area) of the photoelectric sensor. Avoid installing the product in a location that is highly reflective (such as in a location where a stainless steel wall is in front of the photoelectric sensor), as this could cause malfunctions.
- · The product may not function in environments exposed to strong sunlight.
- · Inverters or other devices that use infrared light could cause malfunctions.
- A water supply inspection has been conducted prior to packaging. There may be some water remaining inside the product, but this is normal.



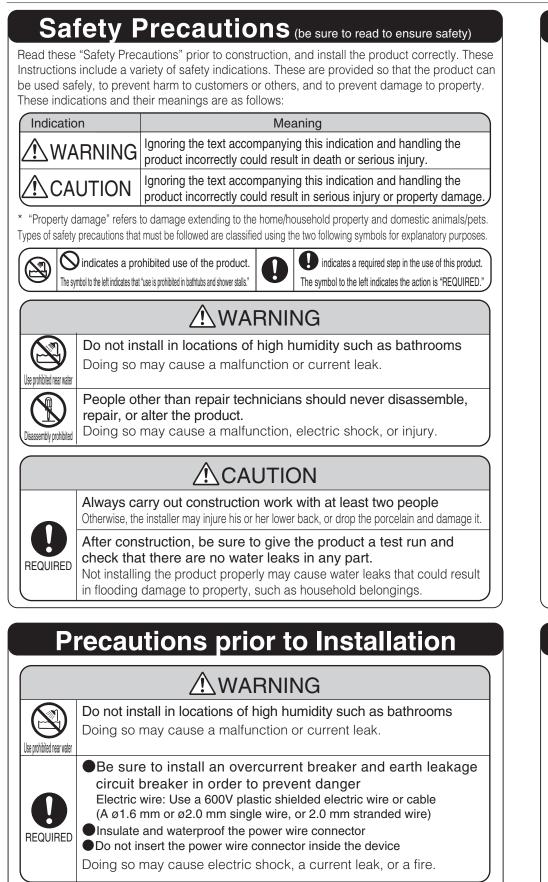
The discharge pipe above the fishedwalls surface should be limited between 25~30 mm.

Work Instructions

TOTO

Auto-cleaning Urinal (USWN900 Series)

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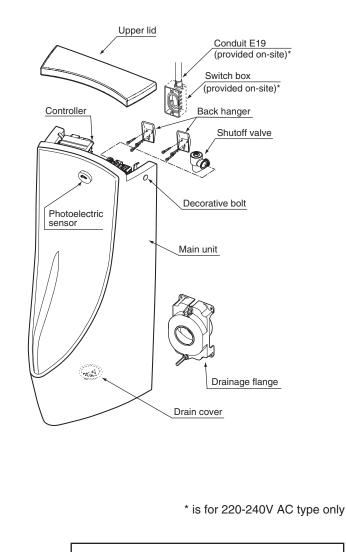
Thoroughly discuss the relevant procedures before performing water and electrical work.

The power wire is to be provided on-site. (220-240V AC type only)

#### **Included Parts** Refer to the following and confirm that no parts are missing. Upper lid Drain cover (one) \* Sterilization type with sponge (shaded area) Water supply fixture Others Urinal Hand this over to the customer Shutoff valve Alkaline batteries (1) (2) Battery box (1) Alkaline battery ۲ Alkaline battery type only Instruction type only Manual Quick fastener (1) (1) Work Instructions (1: this document) Draining Flange 88 M8 nuts (2) $\bigcirc$ 0 Drainage Bolt Washer Tapping Work [small] (1) flange unit (1) screws (4) Instructions (1) (1) 0 Washer [large] P seal Back hangers Wood screw set (1) (for urinal) (1) (2) (6 wood screws, 2 washers)

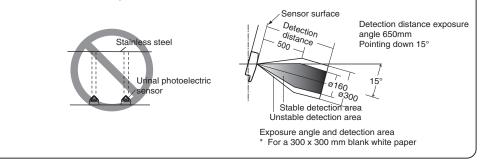
## **Parts Names**

USWN900 model

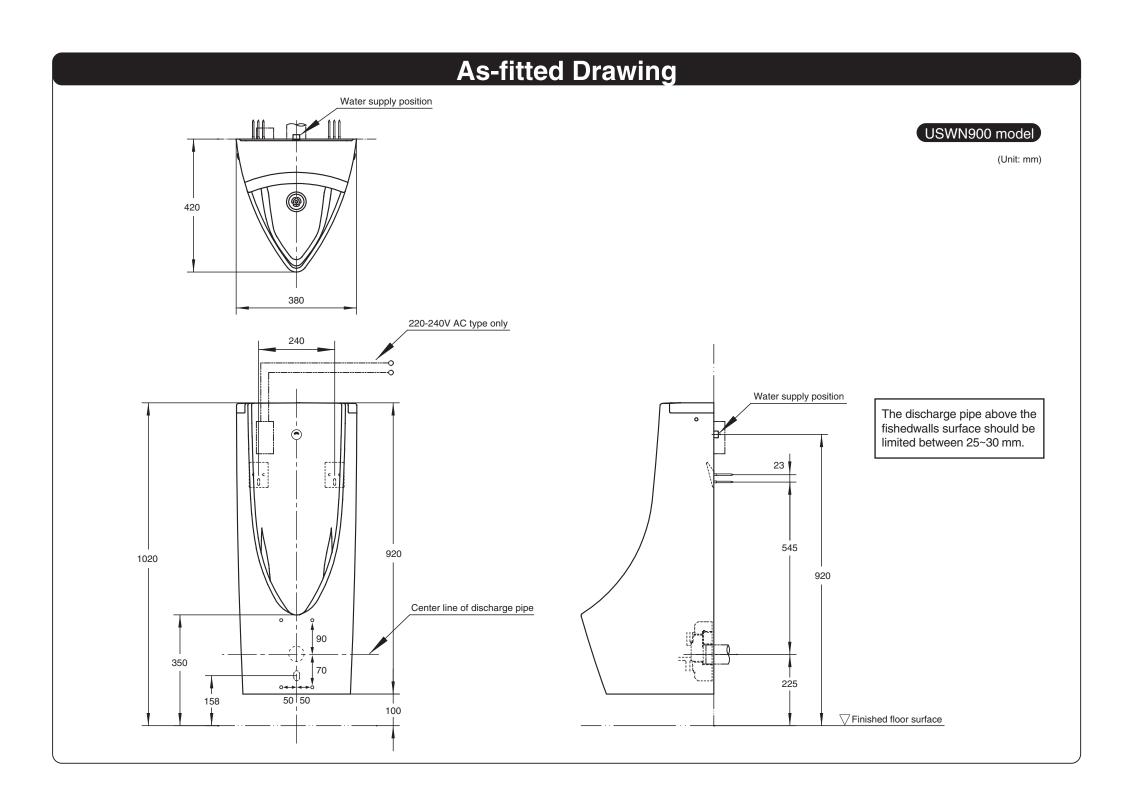


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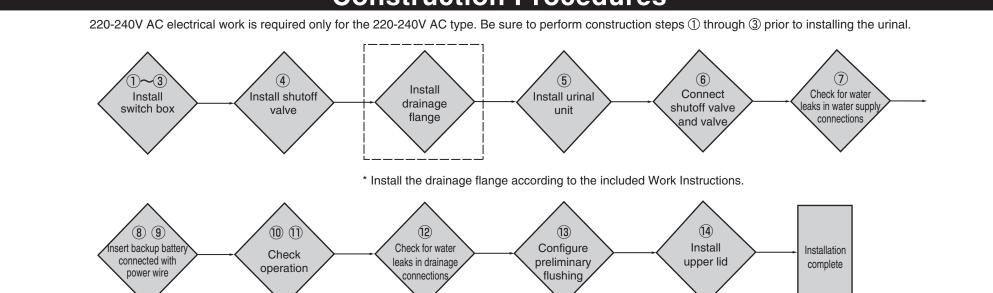
- A grounding wire is not needed, so use a two-core power wire. (220-240V AC type only)
- Water supply pressure ranges from 0.07 MPa (9 L/min [dynamic]) at minimum to 0.75 MPa at maximum. Use the product within this pressure range.
- Be especially careful not to damage the surface of the sensor.
- This product is an electrical appliance. Be careful not to spray water on it. The exposure angle and detection distance of the sensor are as shown in the diagram. When installing a handrail or the like in front of the urinal, do so in a way that does not obstruct the detection areas (both the stable detection area and unstable detection area) of the photoelectric sensor. Avoid installing the product in a location that is highly reflective (such as in a location where a stainless steel wall is in front of the photoelectric sensor), as this could cause malfunctions.
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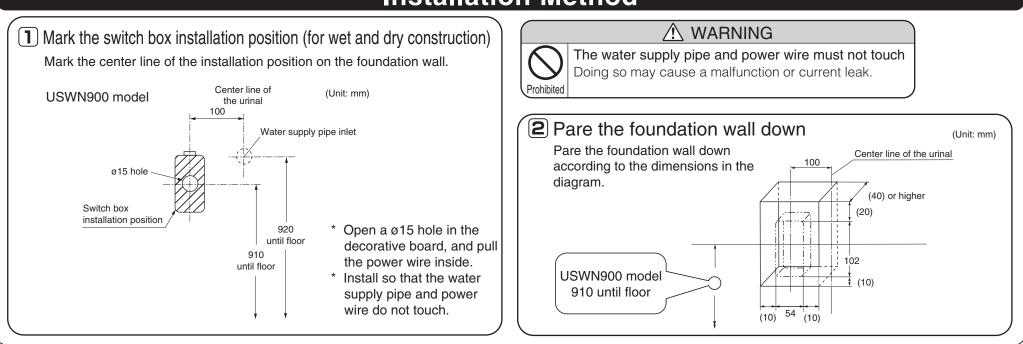
The discharge pipe above the fishedwalls surface should be limited between 25~30 mm.



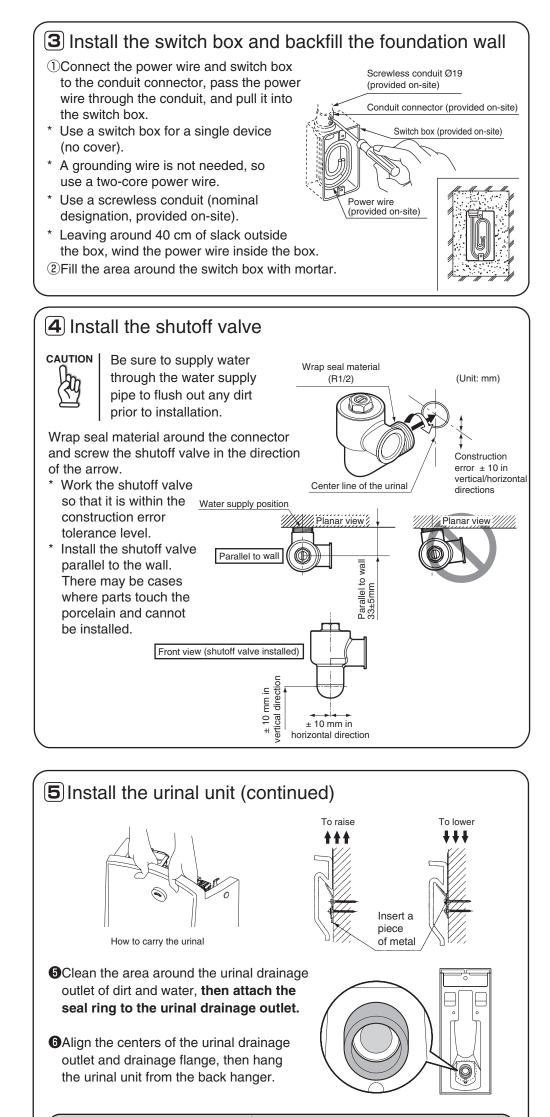
## **Construction Procedures**



# **Installation Method**

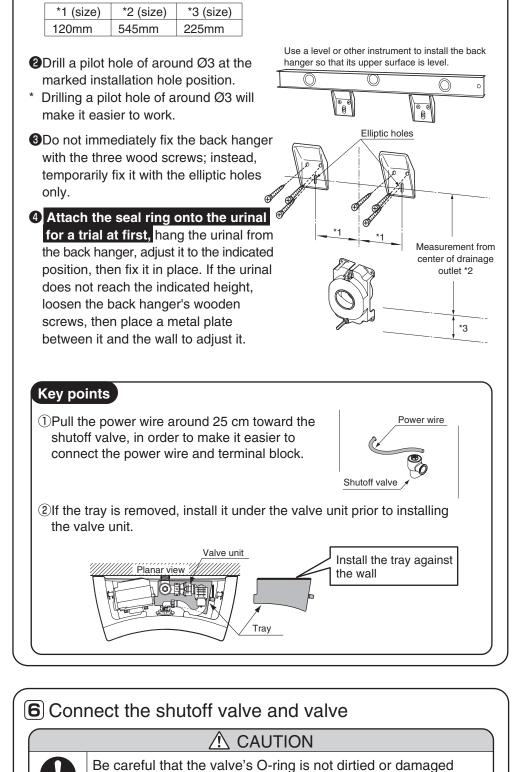


Continued on other side



#### (**5**) Install the urinal unit

Install the back hanger to the location shown in the diagram.



If the O-ring is dirtied, damaged, or sticks out, it could cause water leaks that could result in flooding damage to property, such as household belongings. REQUIRED

Use the quick fastener to connect the shutoff valve and valve.

The guick fastener is inside the shutoff valve's box.

# Quick fastener

#### <Installation Method>

Remove the hygienic sheet on the valve's O-ring.

- Insert the valve straight into the shutoff valve. Align the recess on the shutoff valve's flange with the projection on the valve's flange, then insert.
- Quick fastener

#### / CAUTION

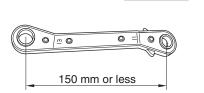
Do not install the urinal unit from the drainage outlet side. Doing so could cause water leaks from the drainage flange that could result in flooding damage to property, such as household belongings. Prohibited

- Fix the flange bolt to the lower part of the urinal with the washer (large) and nut.
- The washer (large) and nut are packaged with the drainage flange.
- CAUTION | 如

Be careful not to tighten the nut too strongly and crack the urinal unit.

Be careful that the shutoff valve does not strike the urinal unit.

\* The hex size of the nut is 13 mm. A board ratchet wrench with a total length of 150 mm or less is recommended to tighten the nut.

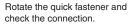


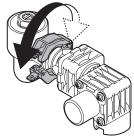
- Oblightary of the share of the share of the second seco then insert the quick fastener.
- If the valve is not fully inserted, it will be impossible Flange to install the quick fastener.
- Confirm that the flange is fully inserted into the recess on the quick fastener, rotate it to the front and rear, then check the connection between the shutoff valve and valve.
- Refer to the Installation Manual CAUTION | attached to the urinal for information री on how to install the quick fastener.

### 🗥 CAUTION



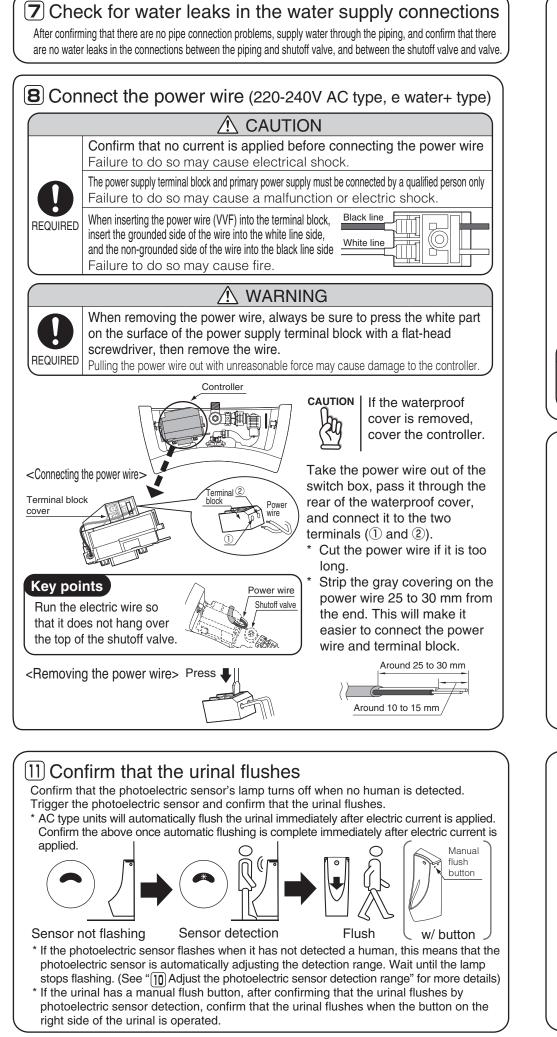
If the quick fastener does not rotate smoothly after connecting it, reconnect it If the quick fastener is not connected properly, water leaks could result in flooding damage to property, such as household belongings. Install the quick fastener properly, then check visually or through other means.





Make sure the quick fastener cover is locked, then fix it in place.





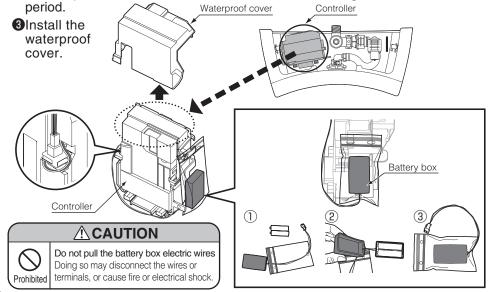
## 12 Check for water leaks in the drainage connections

After confirming that there are no pipe connection problems, supply water

(9) Insert battery (alkaline battery type only)

Remove the waterproof cover.

- Insert the alkaline battery into the battery box, then connect the controller connector and battery box connector.
- \* For 10 minutes after connecting the battery box, the LED flashes during photoelectric sensor detection to enable the detection status to be confirmed. The lamp does not flash even when it detects something after this 10 minute

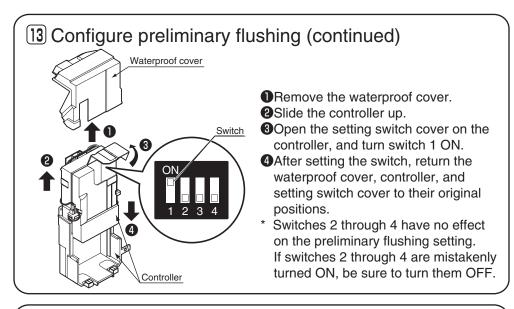


## 10 Adjust the photoelectric sensor detection range

The detection range is automatically adjusted when the power is turned on.

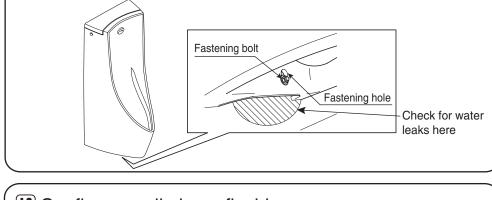
\* The photoelectric sensor's automatic detection range adjustment function operates soon after power is activated. If the photoelectric sensor lamp continues to flash or stay lit <sup>-1</sup> when the unit detects something other than a human, this means that the detection range is currently being adjusted. Be careful that the sensor is not triggered by a human before the lamp turns off.



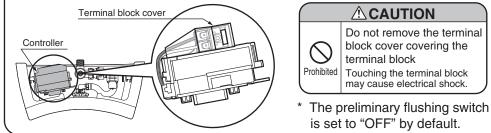


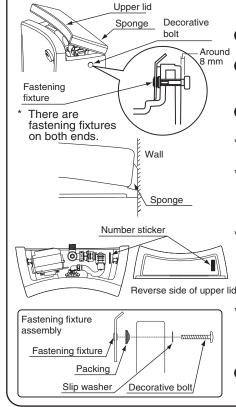
Hold the fastening fixture down from inside the urinal, then use a hex wrench (nominal designation 4) to loosen the decorative bolt.

through the piping, and confirm that there are no water leaks in the connections between the piping and shutoff valve, and between the shutoff valve and valve.



**13** Configure preliminary flushing (switch as needed)

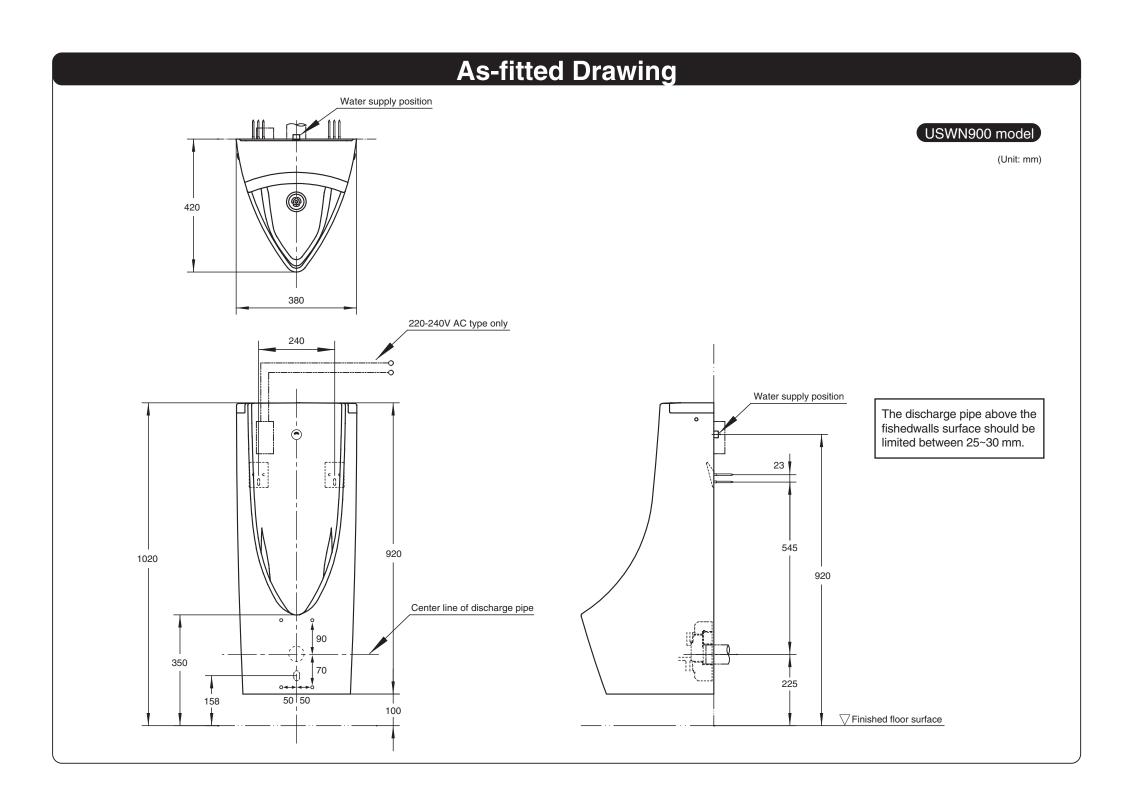




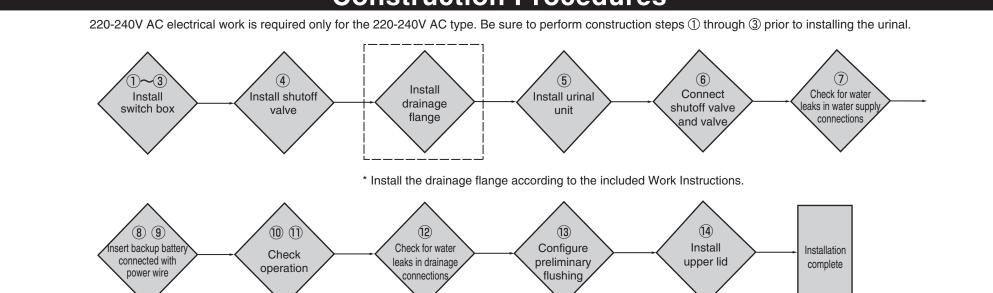
(14) Install the upper lid

Pring the decorative bolt to the outside. (Reference: Gap of approximately 8 mm)
While pressing the sponge attached to the rear surface of the upper lid against the wall, place the lid.

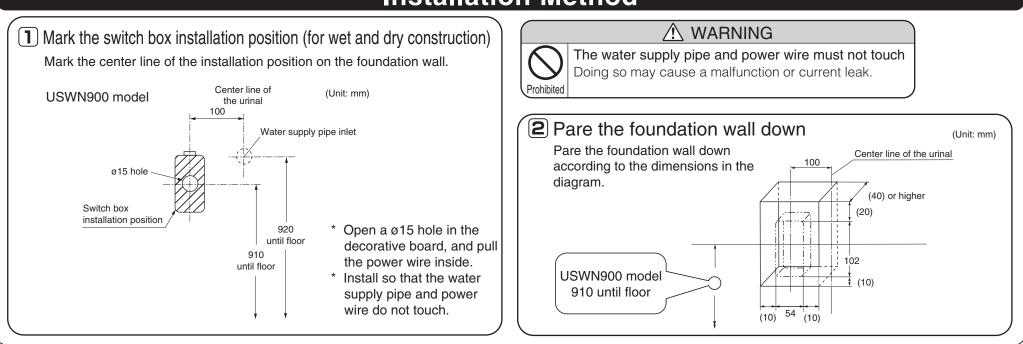
- **4**Use a hex wrench to turn the decorative bolt, then fasten the urinal unit and upper lid.
- \* Be careful not to tighten the decorative bolt too strongly and crack the urinal unit or upper lid.
- \* If there is a gap between the upper lid and urinal unit after fastening the upper lid, loosen the decorative bolt, then tighten both sides again equally until there is no gap.
- Install only the upper lid that came packaged with the unit. The upper lid and urinal unit are manufactured together as a single unit. Using an upper lid other than the one packaged with the unit could cause looseness.
- <sup>r</sup> Use the numbers on the number stickers attached to the storage side surface of the urinal unit and the underside of the upper lid to check the combination.
- GIf the fastening fixture is removed, refer to the diagram to the left for assembly.



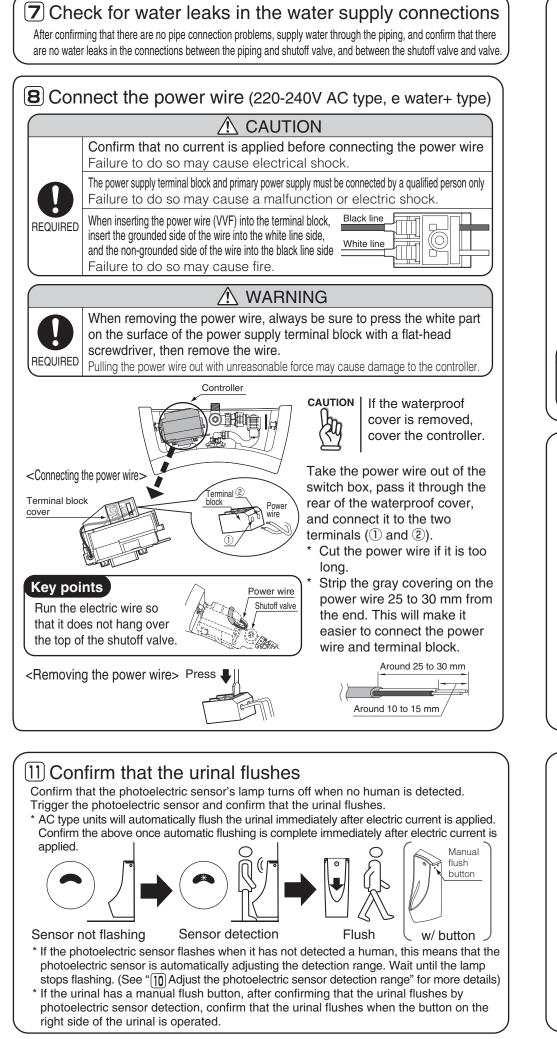
## **Construction Procedures**



# **Installation Method**



Continued on other side



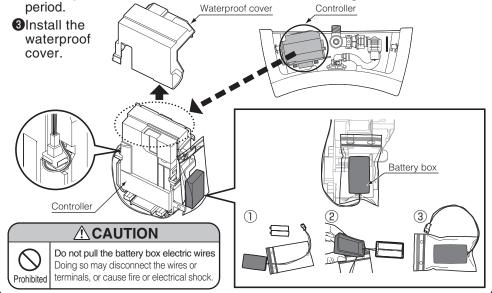
## 12 Check for water leaks in the drainage connections

After confirming that there are no pipe connection problems, supply water

#### (9) Insert battery (alkaline battery type only)

Remove the waterproof cover.

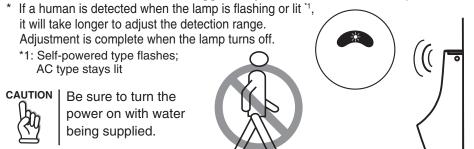
- Insert the alkaline battery into the battery box, then connect the controller connector and battery box connector.
- \* For 10 minutes after connecting the battery box, the LED flashes during photoelectric sensor detection to enable the detection status to be confirmed. The lamp does not flash even when it detects something after this 10 minute

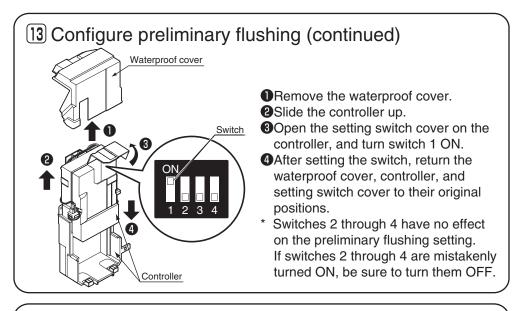


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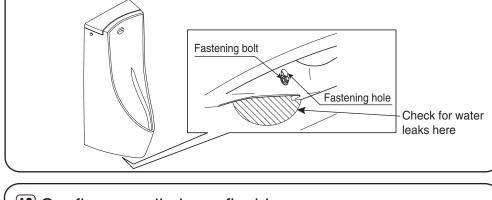
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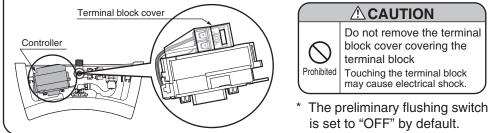


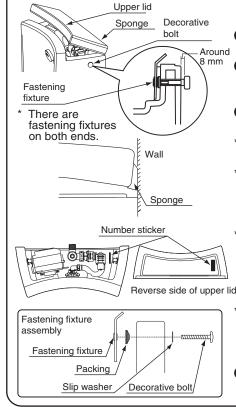
Hold the fastening fixture down from inside the urinal, then use a hex wrench (nominal designation 4) to loosen the decorative bolt.

through the piping, and confirm that there are no water leaks in the connections between the piping and shutoff valve, and between the shutoff valve and valve.



**13** Configure preliminary flushing (switch as needed)





(14) Install the upper lid

Bring the decorative bolt to the outside. (Reference: Gap of approximately 8 mm)
While pressing the sponge attached to the rear surface of the upper lid against the wall, place the lid.

- **4**Use a hex wrench to turn the decorative bolt, then fasten the urinal unit and upper lid.
- \* Be careful not to tighten the decorative bolt too strongly and crack the urinal unit or upper lid.
- \* If there is a gap between the upper lid and urinal unit after fastening the upper lid, loosen the decorative bolt, then tighten both sides again equally until there is no gap.
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- <sup>r</sup> Use the numbers on the number stickers attached to the storage side surface of the urinal unit and the underside of the upper lid to check the combination.
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