

# TOTO® INSTALLATION MANUAL

## Clean Dry™ High Speed Hand Dryer

# 1

## Important Safeguards

(For your safety, please follow the instructions below.)

In this Instruction Manual, the following symbols are shown for safe and proper use of your automatic faucet and in order to alert you to the possibility of personal injury and damage to your property.

The symbols and their meanings are as follows.

	<b>Warning</b>	<b>Ignoring these symbols may cause personal injury and/or property damage.</b>
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	<b>Caution</b>	<b>Ignoring these symbols may cause severe injury and/or property damage.</b>
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\*Some models may have different components from the ones illustrated below.

 <b>Warning</b>	
 <b>Do not</b>	<b>Do not install the unit in the places where corrosive or combustible gas can be present.</b>  This may cause product failure or damage.
 <b>Do not disassemble</b>	<b>Never attempt to disassemble for repair or modification.</b>  This may cause electric shock, fire, injury or failure
 <b>Do not use in humid area</b>	<b>Do not install outdoors or where it is exposed to water.</b>  This may cause current leakage, electric shock, fire, or failure.

 <b>Warning</b>	
 Important	It is recommended to install a circuit-breaker in the power supply Failure to do this may cause electric shock during overload or short circuit.

 <b>Caution</b>	
 Important	The chassis assembly must be installed on a smooth and even wall surface which has enough strength. Failure to do this may cause damage or personal injury if it falls down.

<b>Notice</b>	
 Do not!	Do not place anything beneath the unit; leave a clearance of 3-15/16" (100mm). Do not install on uneven wall surface. If air flow is not good, the product may not perform well .

# 2

## Specification

Product	HDR100#GY
Power Rating	120V AC, 4.25 Amps, 60 Hz, 510 W
Power Connection	Hardwiring
Power Saving Function	Automatically turns OFF after 60 seconds of use
Decibel Rating	62 dB
Air Speed	224 mph (100 meters/second)
Dry Time	12 seconds
Drain Tray Capacity	0.20 gal (700 ml)
Ambient temperature	32°-104°F (0°-40°C)
Size	9-5/8" x 18-1/2" x 6-5/16"
Weight	10 lbs (4.5kg)

# 3

## Before Installing

### 1. Precautions

- Confirm the rough-in, major dimensions and wiring diagram before installation in order to properly install the hand dryer and electrical wiring.
- All electrical wiring should be installed in accordance with national/local codes and regulations with an assistance from a certified electrician.
- Clearance for drain tray, shown in Set-up Drawing, is required for proper air flow into the unit and maintenance of the tray.
- Mounting surface should be even and smooth.
- Confirmation must be made that the wall has enough strength for hand dryer installation and be sure to use all the mounting hardware provided to securely install the hand dryer.
- It is necessary to install circuit breaker for the power supply.

### 2. Others

- Pay special attention so that both top cover and sensor surface are not flawed or scratched.
- Do not place other devices using inverter or infrared sensor near the hand dryer, this may cause malfunction.

\*Recommended mounting bracket heights from floor are as follow:

- Male/Female: 53" (1346 mm)
- Children: 47" (1194 mm)
- Handicapped: 45" (1143 mm)

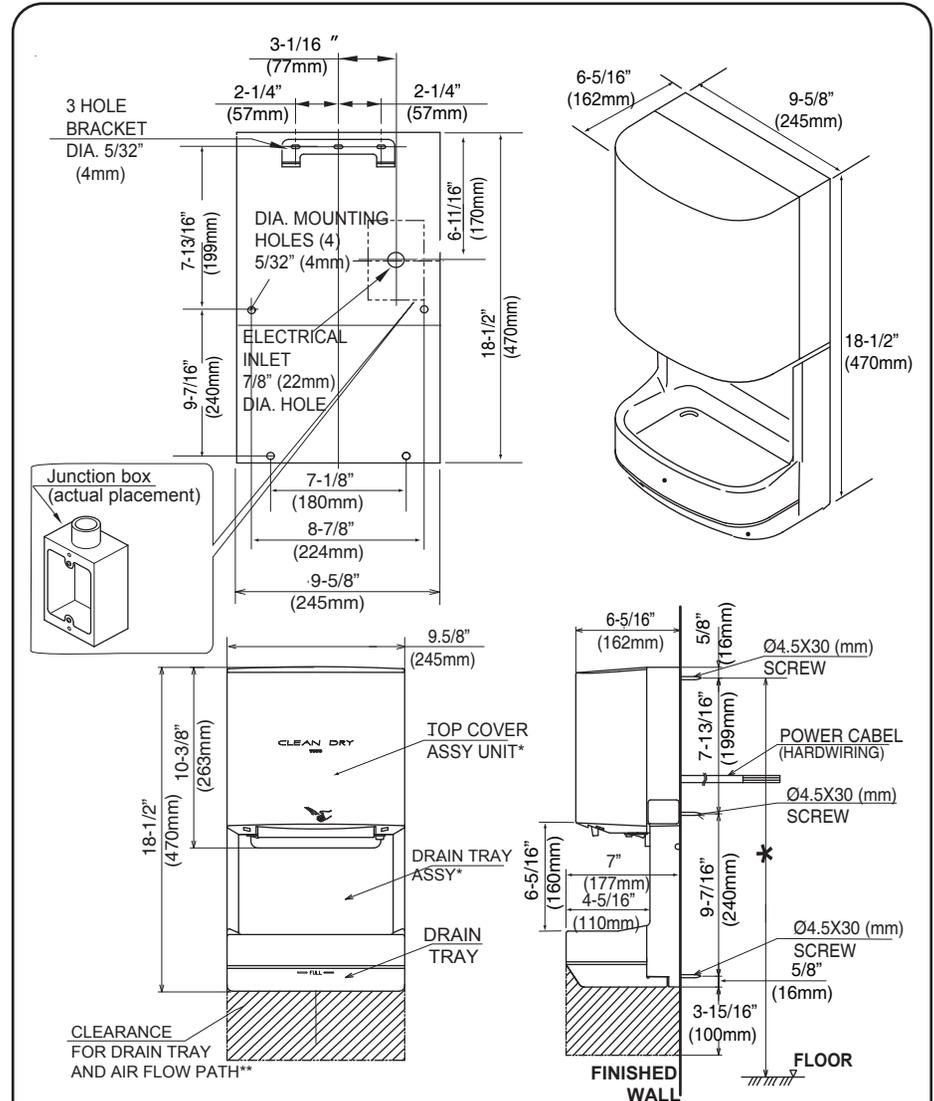


Meets the American Disabilities Act Guidelines, ANSI A117.1 and CSA B651 requirements when mounted in a recessed wall where the front surface is not more than 4" (102mm) from finished wall and max. height of air blower outlet from finished floor is 47-1/4" (1200mm).

# 4

## Set-up Drawing

Some models may have different components as illustrated below.



\*Top Cover Assy Unit and Drain Tray Assy are two separate parts.

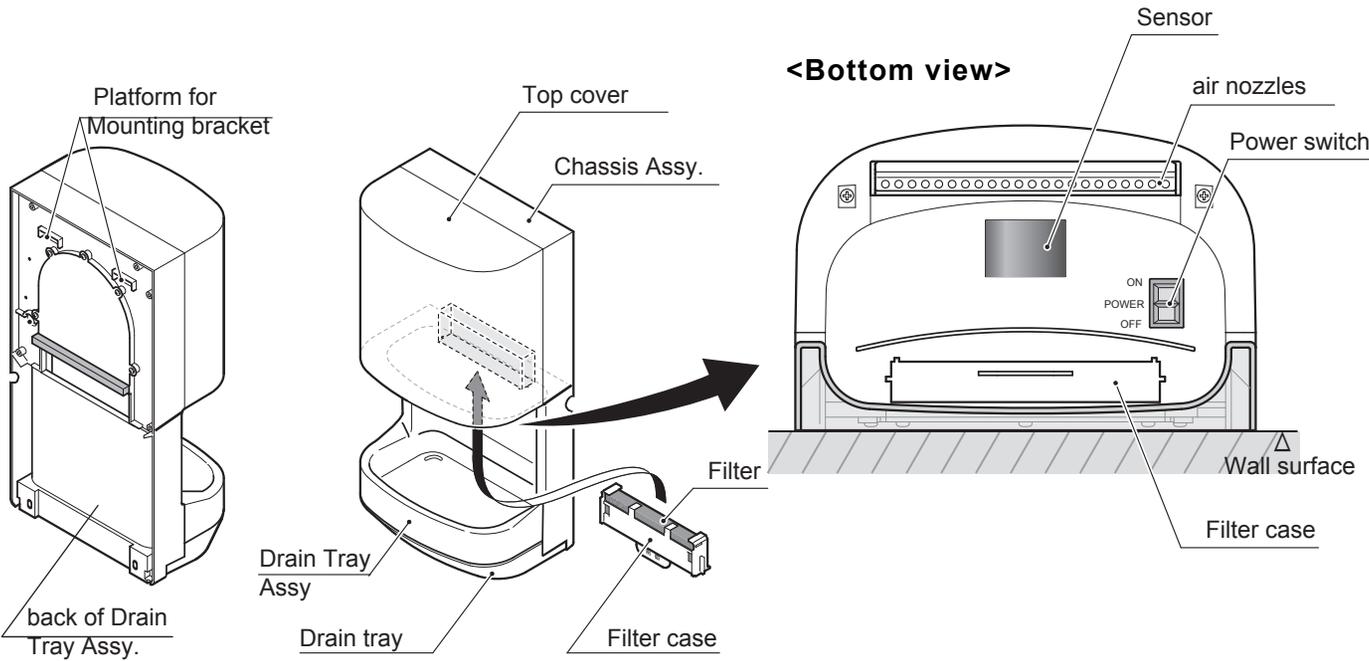
\*\*Clearance is required in order to take off the tray for cleaning and maintenance and have good air flow into the unit.

# 5

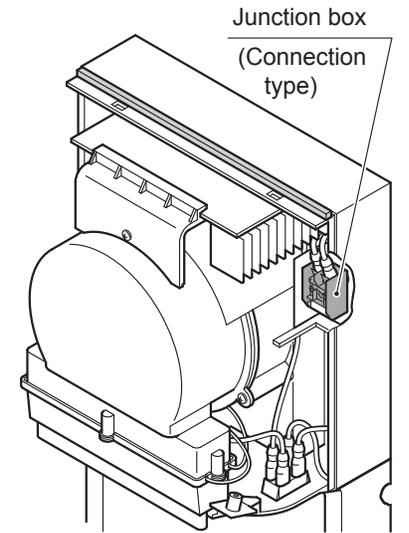
## Installation

\*Some models may have different component as illustrated below.

### Hand Dryer Unit



### w/o Top Cover

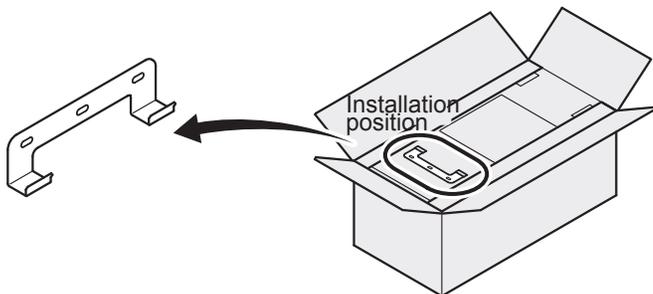


<View with cover removed>

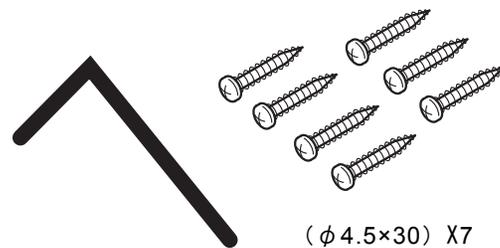
## Accessories

※ Model is subject to change without further notification.

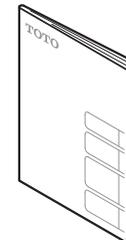
### Mounting Bracket



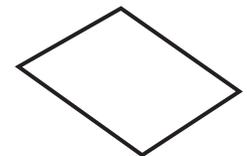
### Screws and vandal resist Hex Wrench



### Owner's and Installation manual



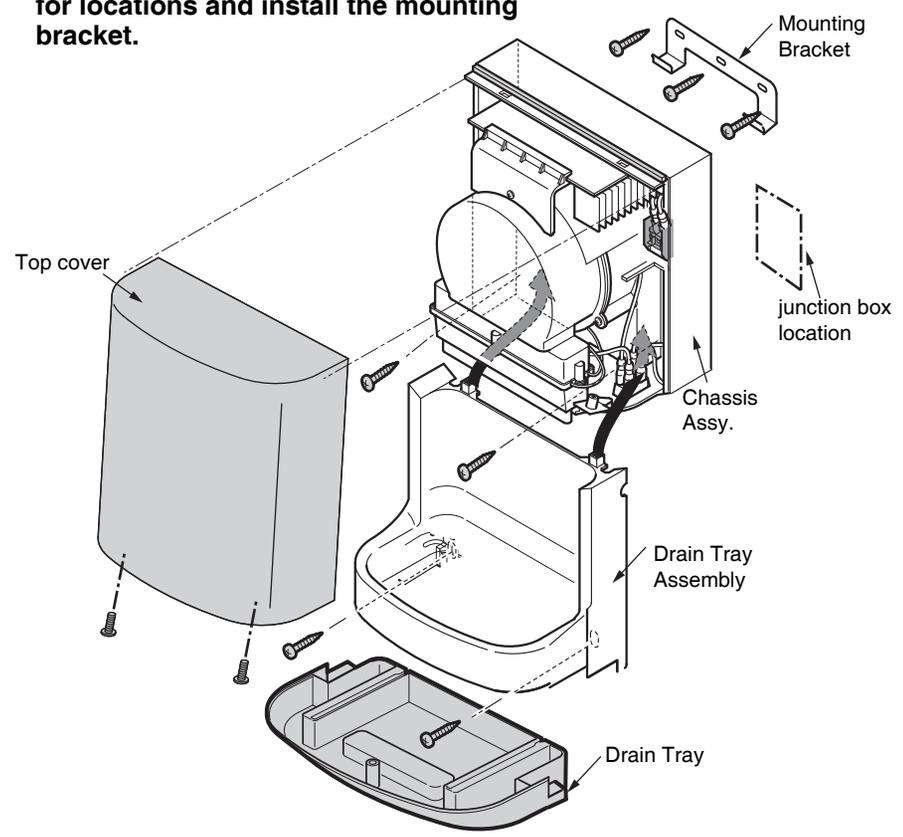
### Template



# 6

## Installation Procedure STEP 1

**1** Use template, mark the wall for locations and install the mounting bracket.



**2** Complete the electrical wiring; install the junction box, and connect the power cord using wire nuts.

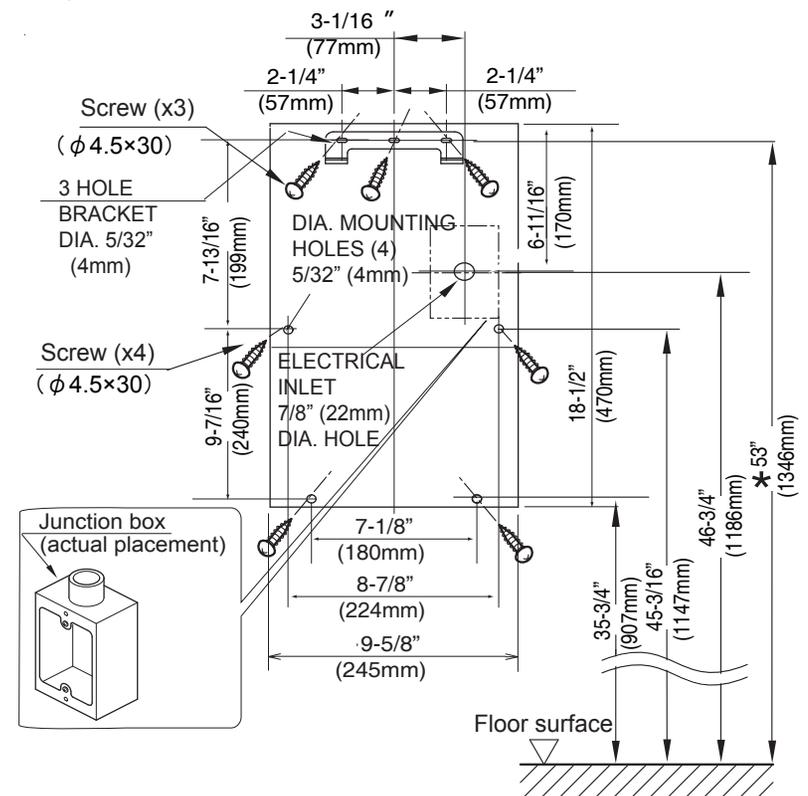
**3** Mount the Chassis Assembly and Drain Tray Assembly

**4** Install the top cover and drain tray

### STEP 1 Mark the wall with template and install the bracket

**Caution** Chassis Assy. must be installed on a rigid and even surface. Failure to do this may cause damage or personal injury when it falls.

- Attach the bracket firmly on the rigid wall with three screws ( $\phi 4.5 \times 30$ ) provided.
- In the case of a tile or concrete wall, please use plastic plug anchors with screws provided.

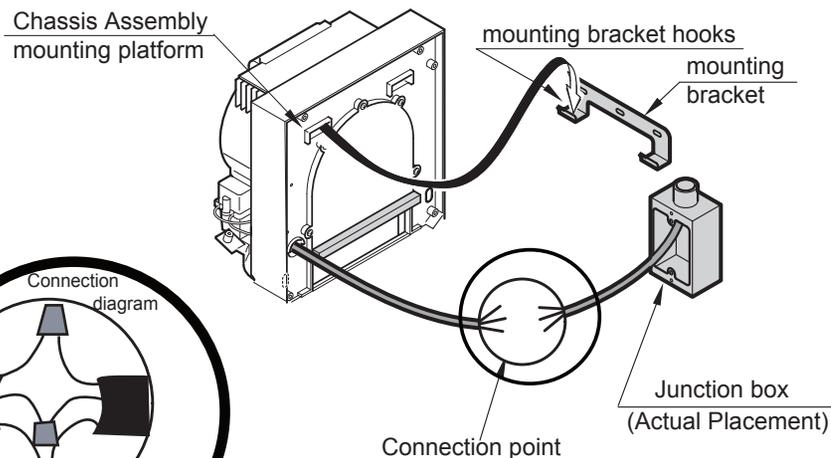
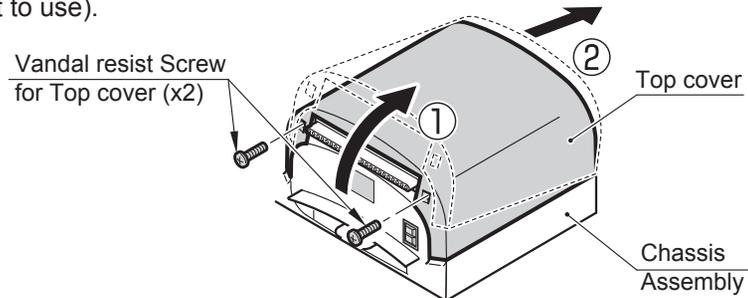


\* Recommended mounting bracket heights from floor are as follow:  
 -Male/Female: 53" (1346 mm)  
 -Children: 47" (1194 mm)  
 -Handicapped: 45" (1143 mm)

To be continued on the back

### STEP 2 Complete the electrical wiring

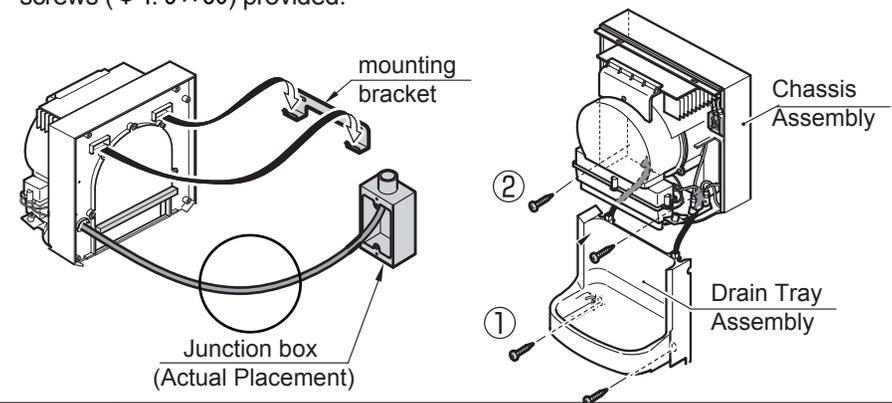
- Use the special hex wrench provided to remove the 2 screws ( $\phi 4 \times 10$ ) from the top cover, then remove the cover.
- To remove the top cover, pull the lower part ① towards you and pull the upper part ② upward, then remove it.
- Hang Chassis Assy. mounting platform onto mounting bracket hooks.
- Connect the power cord inside the main body case with the power cord out of the wall and use wire nuts (certified electrician to confirm the specific wire nut to use).



※ Connect the cord firmly with a wire nut or equivalent.

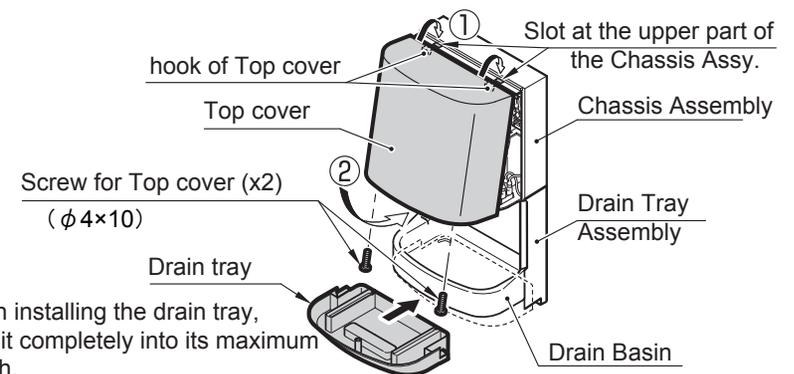
### STEP 3 Mount the Chassis Assembly and Drain Tray Assembly

- Put the connection point (with wire nuts) into the junction box.
- Hang the Chassis Assembly onto the mounting bracket.
- Insert the Drain Tray Assy. into the bottom of the Chassis Assembly, and attach the lower part of the Drain Tray Assy. ① to the Chassis Assy. ② with 2 screws ( $\Phi 4.5 \times 30$ ) provided.



### STEP 4 Install the top cover and drain tray

- ① Insert the hook of the top cover into the slot at the upper part of the Chassis Assembly, ② then put the cover down.
  - Then, fasten the cover with two screws ( $\Phi 4 \times 10$ ) that were previously taken out.
- \* POWER MUST BE IN OFF POSITION DURING INSTALLATION.**



※ When installing the drain tray, slide it completely into its maximum depth.

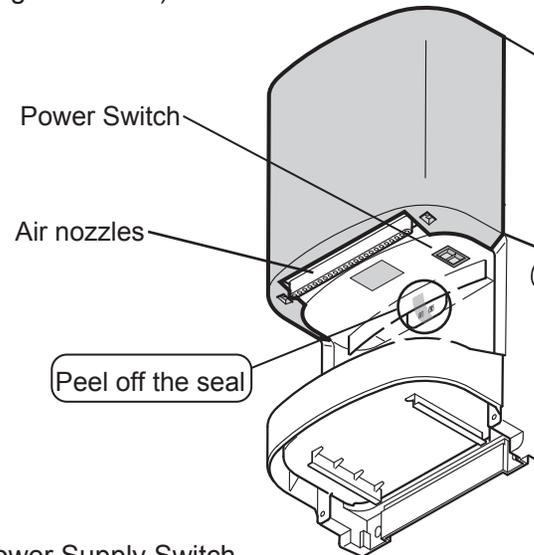
# 7

## Function Test

### 1. Checking after installation

■ Test the product as follow after the installation is complete.

- First peel off the seal on the filter.  
(The seal is used to protect the filter from scratches during shipment; it is no longer needed.)



#### 1. Check the main Power Supply Switch.

- Turn on the main power supply switch on.

#### 2. Check the power switch of the hand dryer

- Turn the power switch ON.

#### 3. Check the functionality

- Place your hand under the outlet nozzles to see if air blows out.

■ After trial run

- After you check the functionality by trial run, give the User Manual (with Warranty) to the customer, and explain how to use and maintain the product.

### Wiring Diagram

