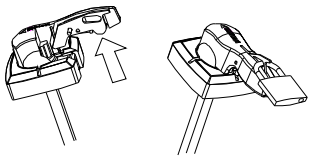


Fig 10

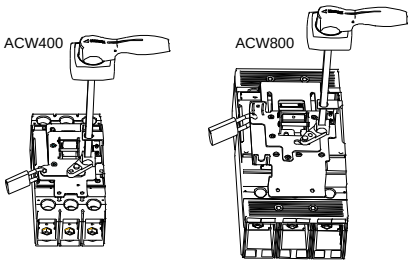


Fig 11

3. Test

After Handle installation, test operation before use.

1) Operation of Handle

Close the door and rotate the Handle to RESET position.

Rotate the Handle to ON and OFF positions to check operations.

It is possible that there is problem if Handle automatically returns to TRIP or OFF positions when you try to turn the circuit breaker ON.

In this case, please go the Handle and circuit breaker to chek if they are correctly installed.

2) Opening and Closing of Panel door

Opening and closing of panel door is possible when the Handle is on 'OFF' position.

Door cannot be opened when Handle is on 'ON' position.

The SHAFT should be inserted to the groove of HANDLE ASS'Y smoothly.

4. Locking

Handle has three kinds of locking.

1) HANDLE LOCK(OFF)

Using the padlock through the hole of LOCK PLATE, HANDLE LOCK(OFF).

Operate the handle to the 'OFF' position and pull the LOCK PLATE.

2) HANDLE LOCK(ON)

Using the padlock through the hole of LOCK PLATE, HANDLE LOCK(ON).

Operate the handle to the 'ON' position and pull the LOCK PLATE.

3) BASE LOCK(OFF)

If you want to prevent circuit breaker operation, you can use the BASE LOCK(OFF).

There are aligned holes at lower left side of BASE ASS'Y at the 'OFF' position that can be used for locking the circuit breaker in the OFF position.

Installation Instruction

ROTARY HANDLE EHU ACW400 EHU ACW800 EHX ACW400 EHX ACW800

Read the instruction manual and safety precautions before use products.

This manual should be given to the person who use products and maintain them.

SAFETY PRECAUTIONS

Before installation, wiring, operation, maintenance or inspection of the device, be sure to read the warning message carefully and ensurance proper operation.

Please follow the instructions, they are very important.

* In this instruction, level of dangerous are classified by 'DANGER' and 'CAUTION'.

⚠ DANGER It may result in death or serious injury.

⚠ CAUTION It may result in injury or physical damage.

⚠ DANGER

* Turn off the power before mounting, withdrawing, wiring, maintenance or inspection, Or it may be a cause for electrical shock or fire.

⚠ CAUTION

1. Do not use deformed or damaged MCCB or operating handle.
2. Mounting, withdrawing, wiring, maintenance and checking should be done by authorized or certified personnel.
3. Operating handle should not be used in severe environment such as high temperature, humidity, dusty, corrosive gas, excessive vibration and impuls.
4. Mounting should be done according to the instruction manual. Mistakes on mouting may be a cause for a MCCB or operating handle to cause an accident such as operator injury himself.

1. Check points before use

Check the packed parts described at Table 1, Fig 1 as soon as you receive them.

Table 1. Parts list according to the handle type

ACW	Handle Type	Parts list	Appendix
ACW125	EHU 12 EHU 16 EHU 24 EHX 12 EHX 16 EHX 24	1. BASE ASS'Y 2. SHAFT (12 inch, 16 inch, 24 inch) 3. HANDLE ASS'Y 4. SPARE PART 4-1. M4 X L22 SCREW 2ea 4-2. NO.8-32 UNC-2A, L100 (EHU ACW125~EHU ACW250) : SCREW 4ea NO.10-24 UNC-2A, L100 (EHU ACW400) : SCREW 4ea 1/4"-20 UNC-2A, L140 (EHU ACW800) : SCREW 4ea 4-3. Instruction Manual 4-4. M4 X L12 SCREW 2ea 4-5. M4 NUT 2ea 5. SUPPORTER 1ea 6. 1 Gasket(Neoprene 1 sheet); or 7. 2 Gasket(VFS-1G 1 sheet, Neoprene 1 sheet)	Handle mounted on Panel Door BASE ASS'Y assembled on the circuit breaker Connected with Shaft.
ACW250	EHU 12 EHU 16 EHU 24 EHX 12 EHX 16 EHX 24		
ACW400	EHU 12 EHU 16 EHU 24 EHX 12 EHX 16 EHX 24		
ACW800	EHU 12 EHU 16 EHU 24 EHX 12 EHX 16 EHX 24		

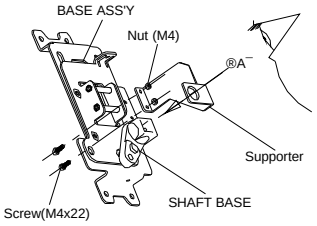


Fig 1

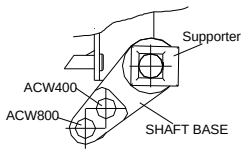


Fig 2

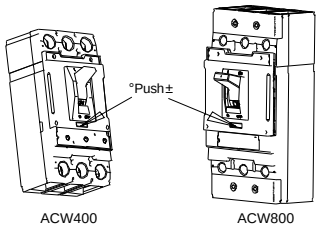


Fig 3

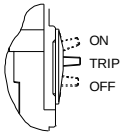


Fig 4

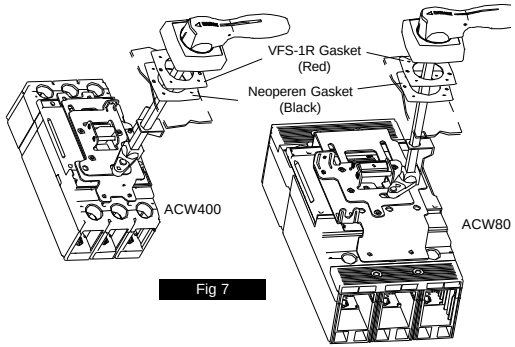


Fig 7

Assembly procedures

ount the support on BASE ASS'Y with two screws, M4 X L22 and nuts. Fig1.

: this time, the center of support should be aligned to the center of groove in SHAFT BASE. Fig2.

efore installation of Handle, Push the TRIP-BUTTON of the circut breaker to power it off. Fig3.

rcuit breaker handle should move to the middle side (TRIP position) after pressing the BUTTON. Fig4.

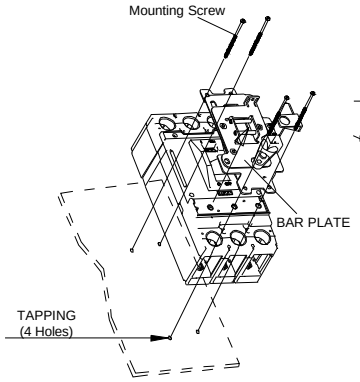


Fig 5

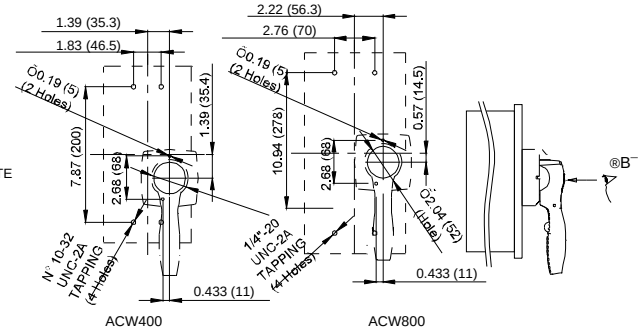
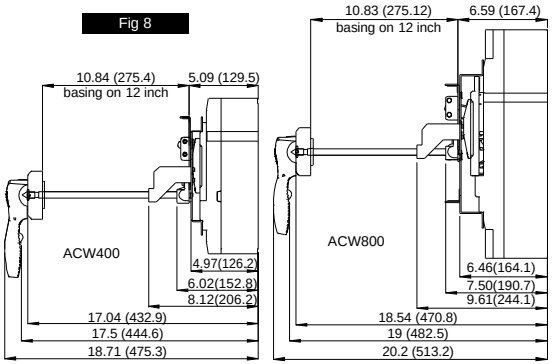


Fig 6

Fig 8



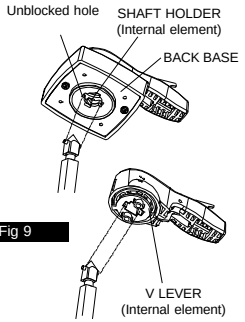


Fig 9

4) Assemble the HANDLE ASS'Y to the panel door.
Before assembling, drill holes in the cover as shown on Fig. 6. Use two M4xL22 screws to secure the handle. Tighten to 7lb.in (0.8N.m)
You can change operating angle, by rotating the HANDLE ASS'Y position by 90 degree at same center point in clockwise direction only
In this case, please check whether the length of handle interferes with the panel opening before changing.
You may use the ~X types(ex;EHX16 ACW125) for IP65 protection such as appling to NEMA 4 panel.
This handle has two Gaskets, one for NEMA12 and the other for NEMA4. Fig 7.
From the surface of panel, the NEMA4 gasket (Neoprene;BLACK) should be attached first, following by the other gasket befor
assembling the HANDLE ASS'Y.

The BAR PLATE of ACW125/ACW250(EHU1,2/EHX1,2) should be at OFF position when you unpack it. First, lay the BASE ASS'Y on the circuit breaker so that circuit breaker¯s handle projects through the hole of BAR PLATE. Then, Pull the BASE ASS'Y to align mounting holes of BASE ASS'Y with circuit breaker's mounting holes. Tighten up with mounting screws provided whith the handle. Fig 5 ■

When you want to attach the new Handle on circuit breaker already mounted, remove two of four mounting screws of circuit breaker and replace them with Handle mouting screws.
In this case, first remove the two screws from circuit breaker on diagonal side, align the Handle to the right position and tighten two Handle mounting screws to empty mounting holes.

5) You can cut the shaft if the length of shaft doesn't fit on your panel, .
Cutting should be done on side that is not connect to the HANDLE ASS'Y.
Connect the Shaft after cutting and check if the door can be opened when the HANDLE is in the 'OFF' position. Fig 8 ■
Tighten the screw M5 X L14 located at the SHAFT BASE to secure the shaft.
The SHAFT should be inserted to the handle as shown. Fig 9 ■