



# ROFU 2450 Kit

## Installation instructions

ROFU Security International Corp.

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 Kent, WA 98032  
 (253) 922-1828  
 www.ROFU.com

### Specifications

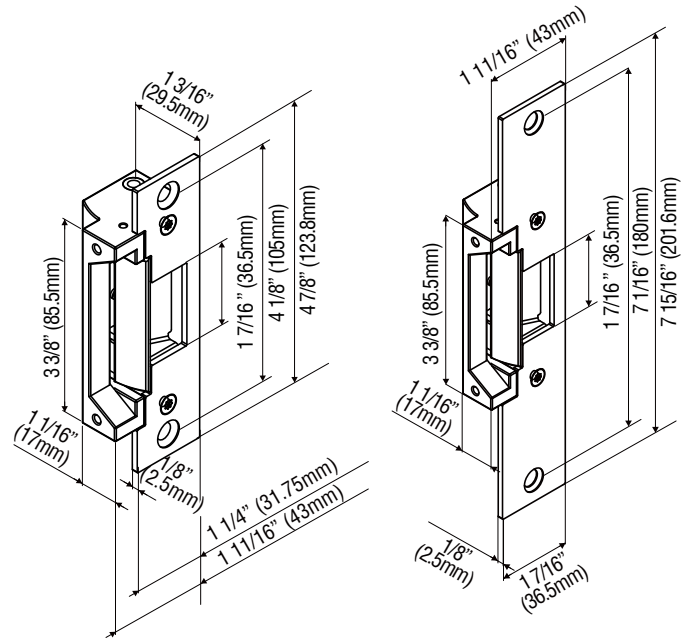
<b>Operation</b>	Fail-secure or Fail-safe
<b>Operating Voltage</b>	12/24VDC
<b>Current Draw</b>	300mA/12VDC, 150mA/24VDC
<b>Operating Temperature</b>	32°F to 120°F (0°C to 49°C)
<b>Humidity</b>	0% to 85% Non-condensing
<b>Latch Throw</b>	3/4"(19mm) (5/8"(16mm) strike depth, 1/8"(3mm) door gap)
<b>Keeper Width</b>	1 6/17" (36mm)
<b>Static Strength</b>	1,500 lbs (680Kg) (UL Witness test: 2,000lbs)
<b>Dynamic Strength</b>	70 ft-lbs
<b>Endurance</b>	250,000 cycles (UL tested) 1,000,000 cycles (Factory tested)
<b>Performance Level</b>	Destructive Attack: Level I Line Security: Level I Standby Power: Level I Endurance: Level IV
<b>Body Construction</b>	2450 Kit: Zinc Alloy 2450 FR Kit: Stainless Steel

### UL Requirements

- For indoor use only.
- Wiring methods shall be in accordance with NFPA70.
- The 2450FR Kit is intended to be used with UL Listed exit hardware.
- The 2450FR Kit shall not impair the intended operation of an emergency exit.
- The 2450FR Kit shall not impair the operation of panic hardware mounted on the door.

#### Note:

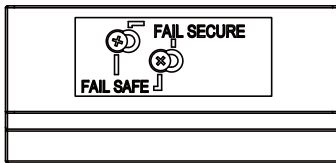
For 2450FR Kit, remove the "Listed Fire Rated Hardware" label if the strike is used in the Fail-Safe operation. Using the above-mentioned strikes in Fail-Safe operation negates the fire rating.



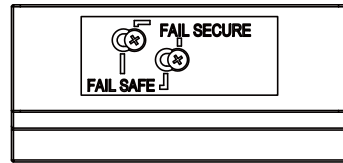
### Fail-Safe / Fail-Secure Reversible

Change screw position at fail-safe /fail-secure hole to the desired setting.

#### Fail-Safe:

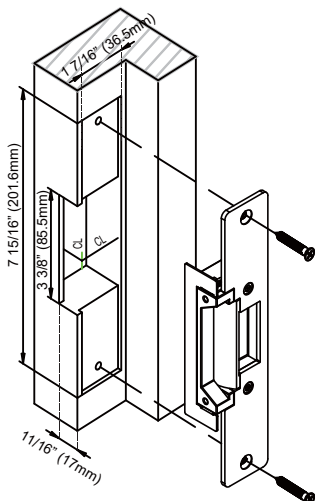


#### Fail-Secure:

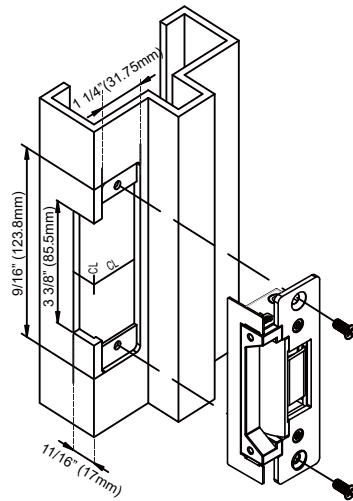


### Frame Application

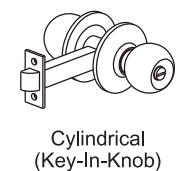
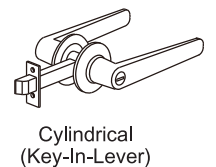
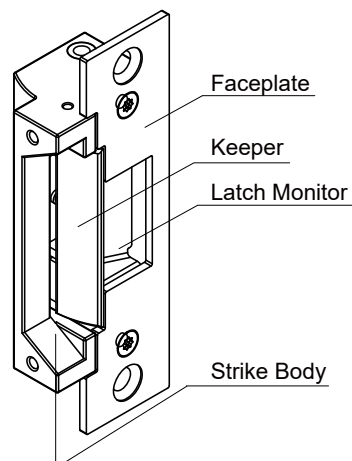
#### Wood Frame Installation



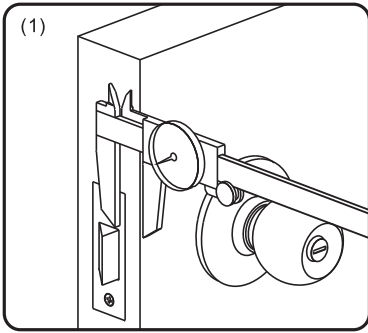
#### Hollow Metal Frame Installation



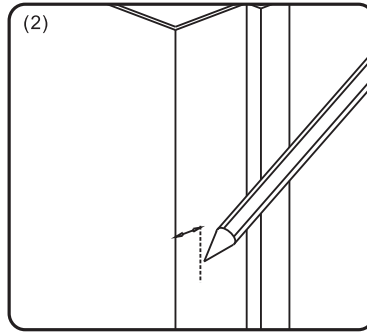
### Compatible Locksets



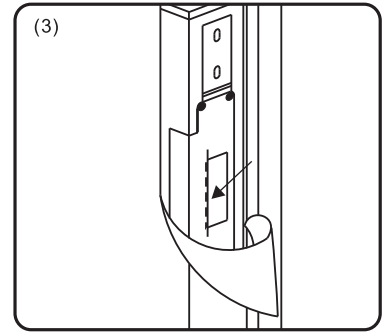
## Installation Instructions



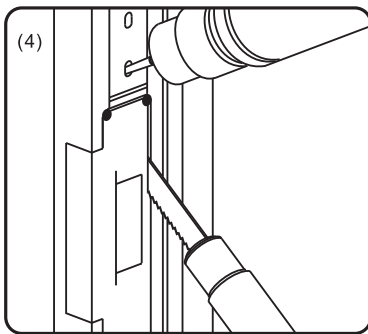
Measure latch position



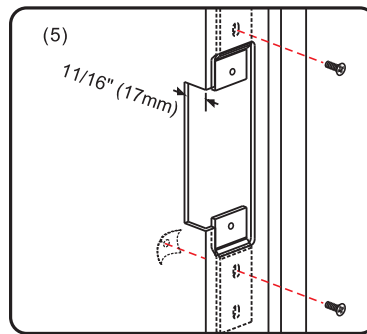
Mark latch position line



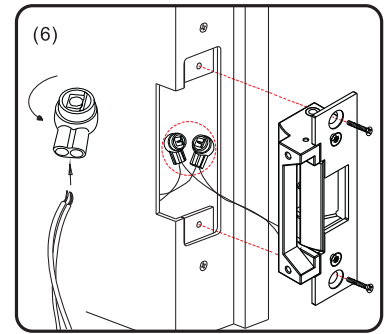
Attach sticker template to marked centerline



Cut hole using template



Install the mounting tabs

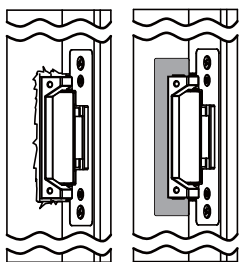


Connect the wires using the crimp connectors, then test the strike, ensure to give it correct voltage.

### Caution:

Proper gap must be reserved between the strike keeper and latch bolt to prevent failure of solenoid valve.

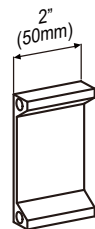
## Using the Trim Plate



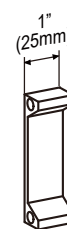
In case of over-cutting, use the enclosed trim plate to cover up any errors.

## Optional Brackets

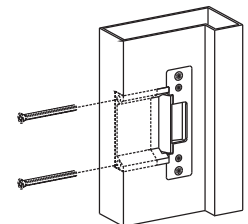
Lip extension brackets are available for wider jambs.



ROFU # 5550  
2" Lip Extension

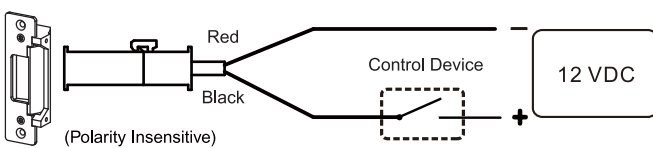


ROFU # 5525  
1" Lip Extension

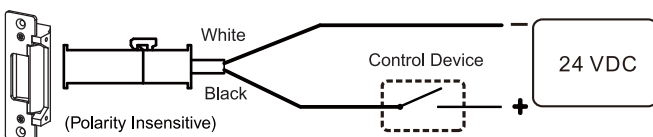


## 12/24 VDC Plug-In Wiring

For 12VDC Operation:

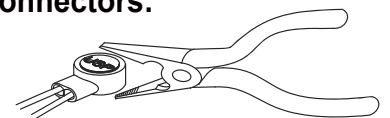


For 24VDC Operation:



### Installing the Crimp Connectors:

Crimp connectors are provided to make wiring connections easier and more reliable. To install the connectors:



1. Insert the wires into the connector.
  2. Use a crimping tool or pliers to evenly press down on the head of the connector.
- (Polarity Insensitive)