



# **R-BBU BATTERY BACK-UP UNIT**

## **INSTRUCTION MANUAL**

# **IMPORTANT INSTALLATION INSTRUCTIONS**

## **WARNING** – To reduce the risk of severe injury or death to persons:

1. READ AND FOLLOW ALL INSTALLATION INSTRUCTIONS.
2. Make sure the available power supply to be connected to the device is of the same voltage, frequency, phase and wattage as indicated on the nameplate of the device.
3. Read and understand the wiring diagram of the device and the control station, and any other equipment to be connected to the device.
4. Always disconnect power whenever installing or servicing the door operator or door and this device.
5. All wiring must be permanent and comply with National Electrical Code (NEC) and local code requirements.



**Disconnect power at the fuse box before proceeding with any wiring.**

## **WARNING**

### **SPECIFICATIONS**

<b>ELECTRICAL</b>	
Input Power :	90~240 VAC , 50 / 60 Hz , 1.7A
Battery :	24 VDC , 5AH
Output Power :	24 VDC , 2A Max.
<b>MECHANICAL</b>	
Dimension :	13 1/8 x 7 3/8 x 4 3/4 inch

Note:

This Battery device is for providing 24VDC power only, NOT a Release device.

## **MAINTENANCE INSTRUCTIONS**

1. Must replace with the same type battery every two years or less.
2. Check and change batteries in R-BBU if output voltage is low.



**Disconnect power supply to the device before servicing.**

### **WARNING**

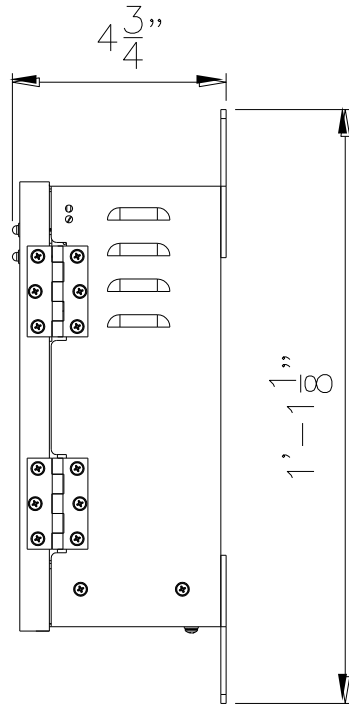
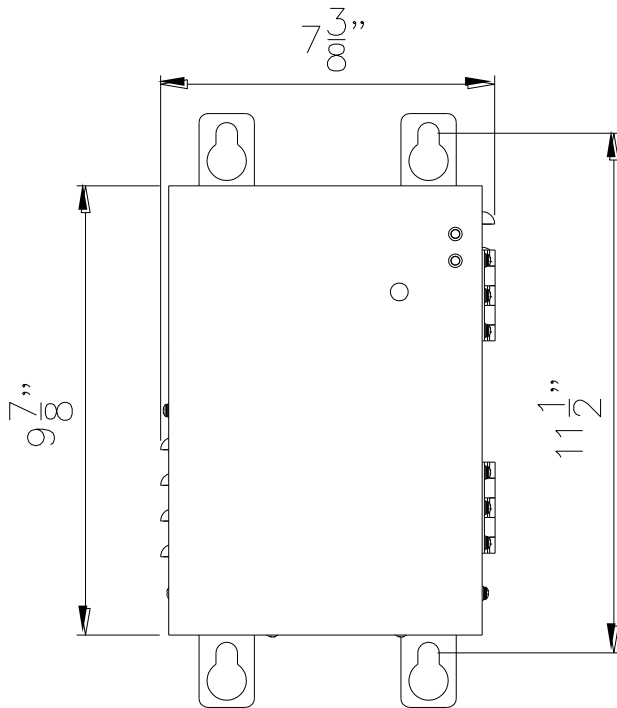
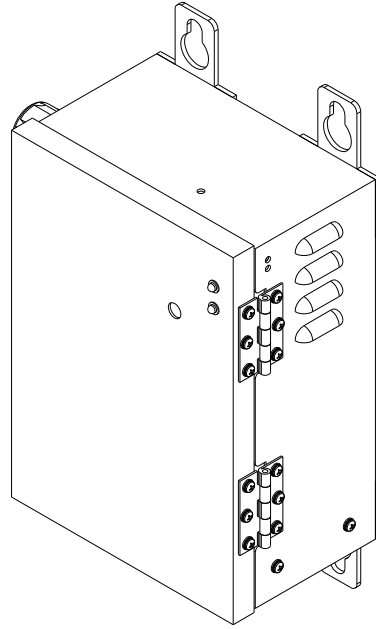
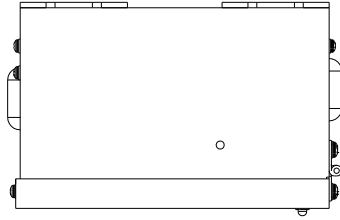
- ❖ Inspect and service whenever a malfunction either door or operator is observed or suspected.
- ❖ Before servicing, always disconnect power supply to the device.
- ❖ Replace fuses only with those of the same type and rating.
- ❖ All replacement parts must be compatible with those originally provided. Consult manufacturer for replacement parts.



**Do not place hands or tools in or near the operator when the power is connected or when testing control or sensing devices. Always disconnect power before servicing or adjusting the operator.**

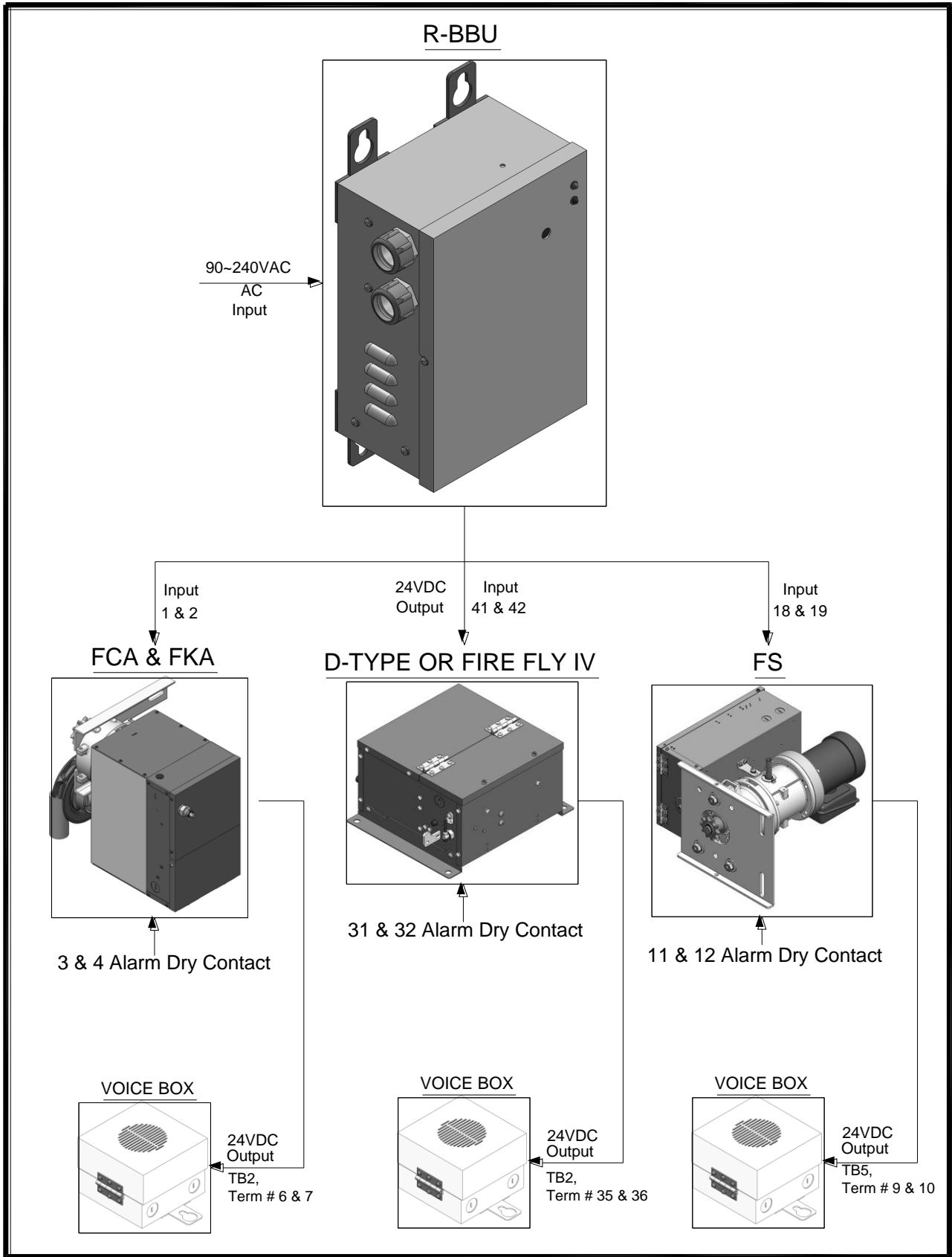
### **WARNING**

# R-BBU DIMENSION



U. S. Gear  
12/10

# R-BBU Connections

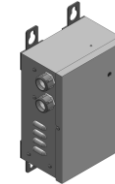
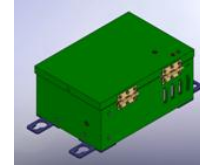


U.S. Gear  
11/11

# U.S. Gear

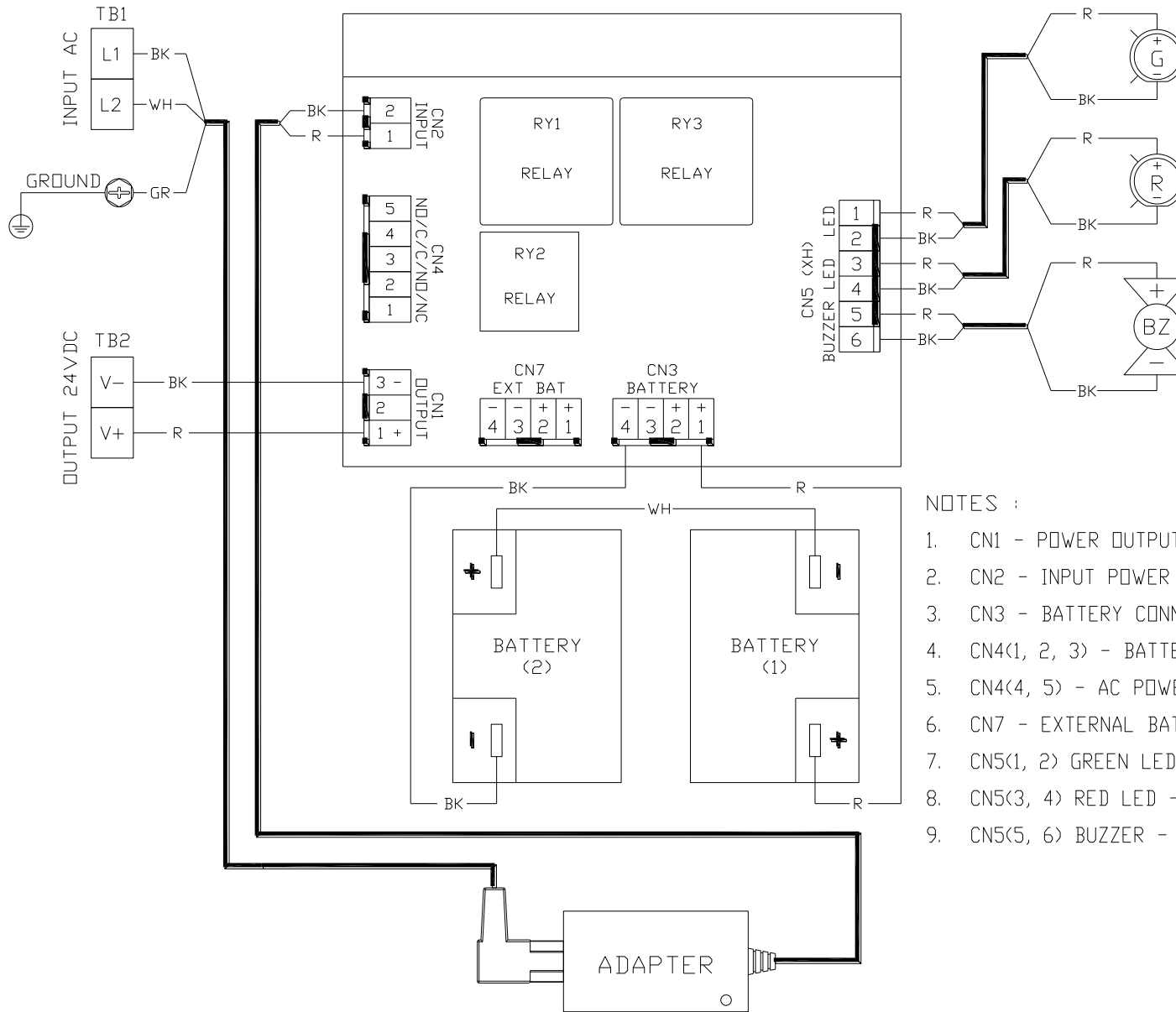
## Release Device Battery Backup Unit Data Sheet

### R-BBU



Item	Content	Specification
1	Input Voltage	90~240 VAC
2	Input Frequency	50 / 60 Hz
3	Input Current	1.7 A
4	Output Voltage	24 VDC
5	Output Current	2 A
6	Battery Capacity	24 VDC, 5 AH
7	AC power present	Dry Contact
8	Low Battery Warning	Dry Contact and buzzer sound
9	Models to connect (standby Hrs)	FCA(3.3), FKA(3.3), AR-D(10), FIRE FLY IV(10), FS-30~50(4.3), FS-70~150(3.3)
10	Optional battery pack [to extend standby Hrs]	24 VDC, 5AH x 4, [ FCA(16.6), FKA(16.6), ARD(50), FIRE FLY IV(50), FS-30~50(21.5), FS-70~150(16.5) ]

# R-BBU 100~240VAC 1 PHASE



R-BBU-02

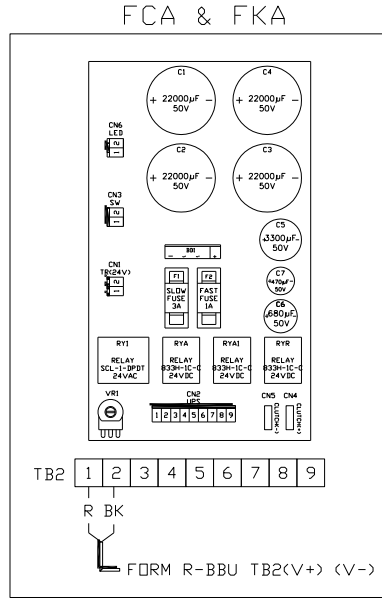
## NOTES :

1. CN1 - POWER OUTPUT 24VDC.
2. CN2 - INPUT POWER 30VDC.
3. CN3 - BATTERY CONNECTION.
4. CN4(1, 2, 3) - BATTERY LOW DRY CONTACT.
5. CN4(4, 5) - AC POWER ON CONTACT NORMAL CLOSE.
6. CN7 - EXTERNAL BATTERY CONNECTION.
7. CN5(1, 2) GREEN LED - AC POWER ON.
8. CN5(3, 4) RED LED - BATTERY LOW.
9. CN5(5, 6) BUZZER -
  - NO BATTERY : INTERMITTENT BEEP.
  - BATTERY LOW : CONTINUOUS BEEP.

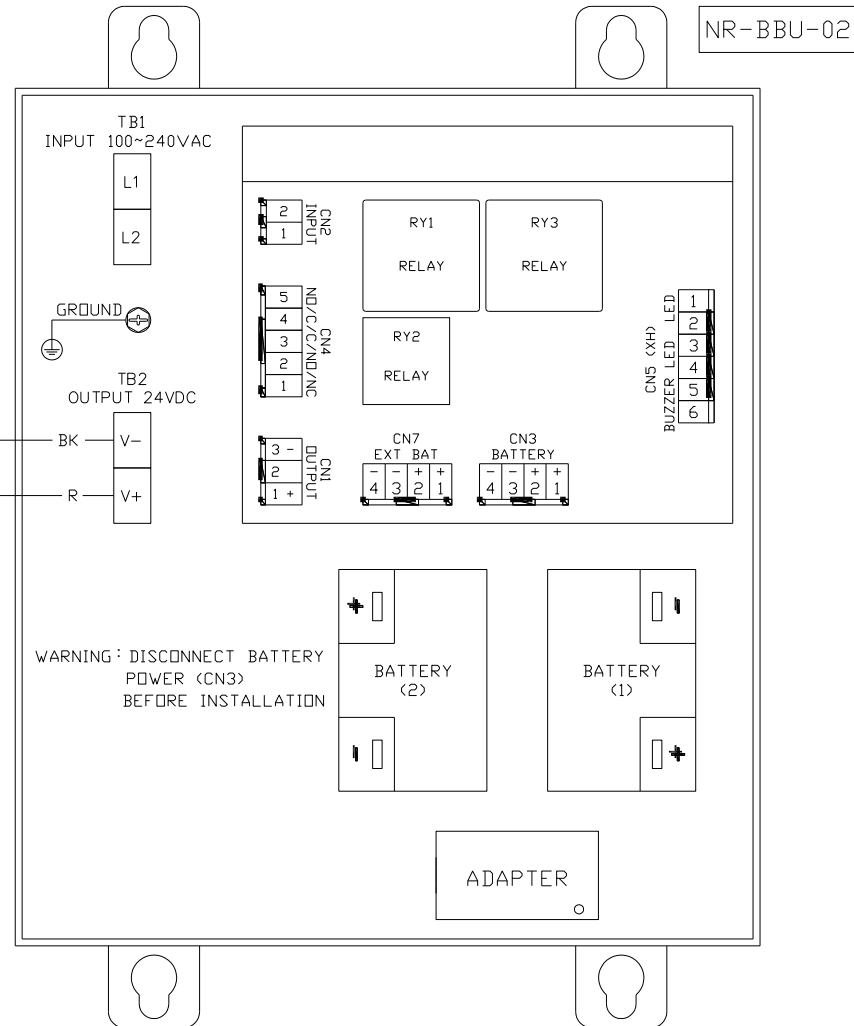
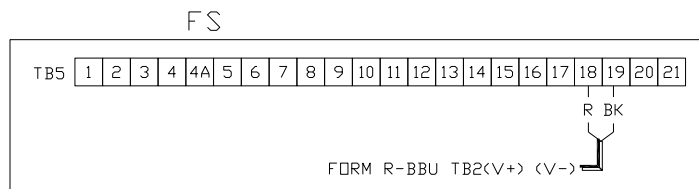
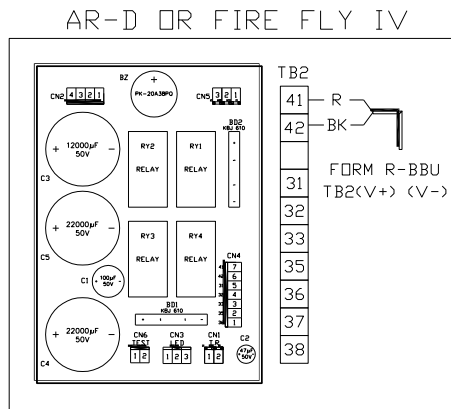
2011.06.01

WARNING : TURN OFF POWER BEFORE INSTALLATION

# R-BBU CONNECTIONS



TO FCA & FKA  
OR AR-D OR FIRE FLY IV  
OR FS



2011.12.08