



F-BBU BATTERY BACK-UP UNIT

INSTRUCTION MANUAL

UL325-2010 Compliant

READ ALL INSTRUCTION FIRST

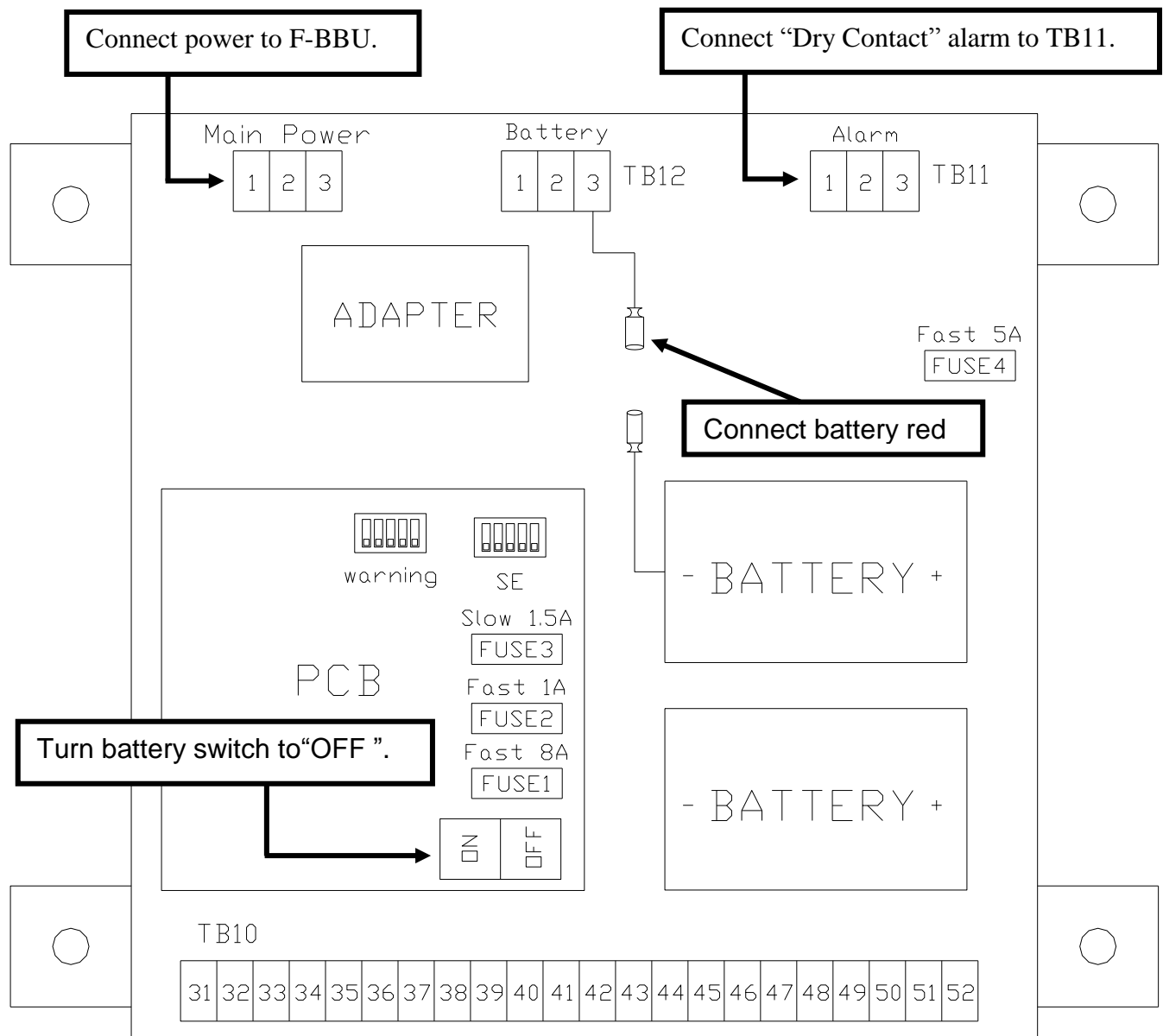
Instruction for F-BBU

Warning:

1. This F-BBU battery backup is designed for “UL325-2010” wiring.
2. If operator is UL325-2010 version, see drawing F-BBU-07A4.
3. If operator is Wireless Edge version, see drawing F-BBU-07A1.
4. If operator is Updated '07 version, **DO NOT** connect TB10 (41). See drawing F-BBU-07A2.
5. If the operator is the older version, **DO NOT** connect TB10 (41), TB10 (42) & TB10 (43). See drawing F-BBU-07A3.
6. If operator wiring needs to be changed to UL325-2010 version, please contact manufacturer for details.

Warning: Disconnect power at fuse box before proceeding with any wiring.

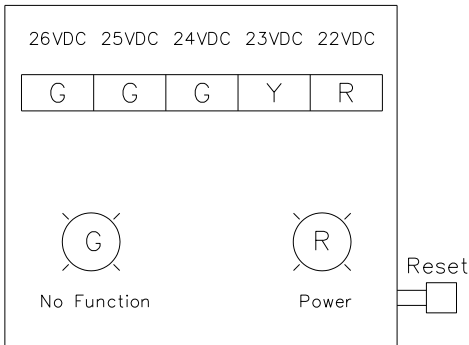
1. Lower door to closed position.
2. Disconnect power to the operator.
3. Remove alarm connection TB5 (11) & (12).
4. Remove operator jumper TB5 (7) & (8).
5. Jump operator TB5 (13) & (14).
6. Jump operator TB5 (20) & (21).
7. Connect F-BBU unit to the operator (see drawing F-BBU-07A4, F-BBU-07A1, F-BBU-07A2 & F-BBU-07A3).
8. Turn battery switch to “ OFF ”.
9. Connect “Dry Contact” alarm to TB11.
10. Connect battery red sockets.
11. Connect power to F-BBU.
12. Connect power to the operator.
13. Turn battery switch to “ ON ”.



Warning: Before replacing fuse or battery, turn off power to F-BBU and turn battery switch to "OFF ". Must replace with same fuse, use wrong fuse will cause the relative component damage.

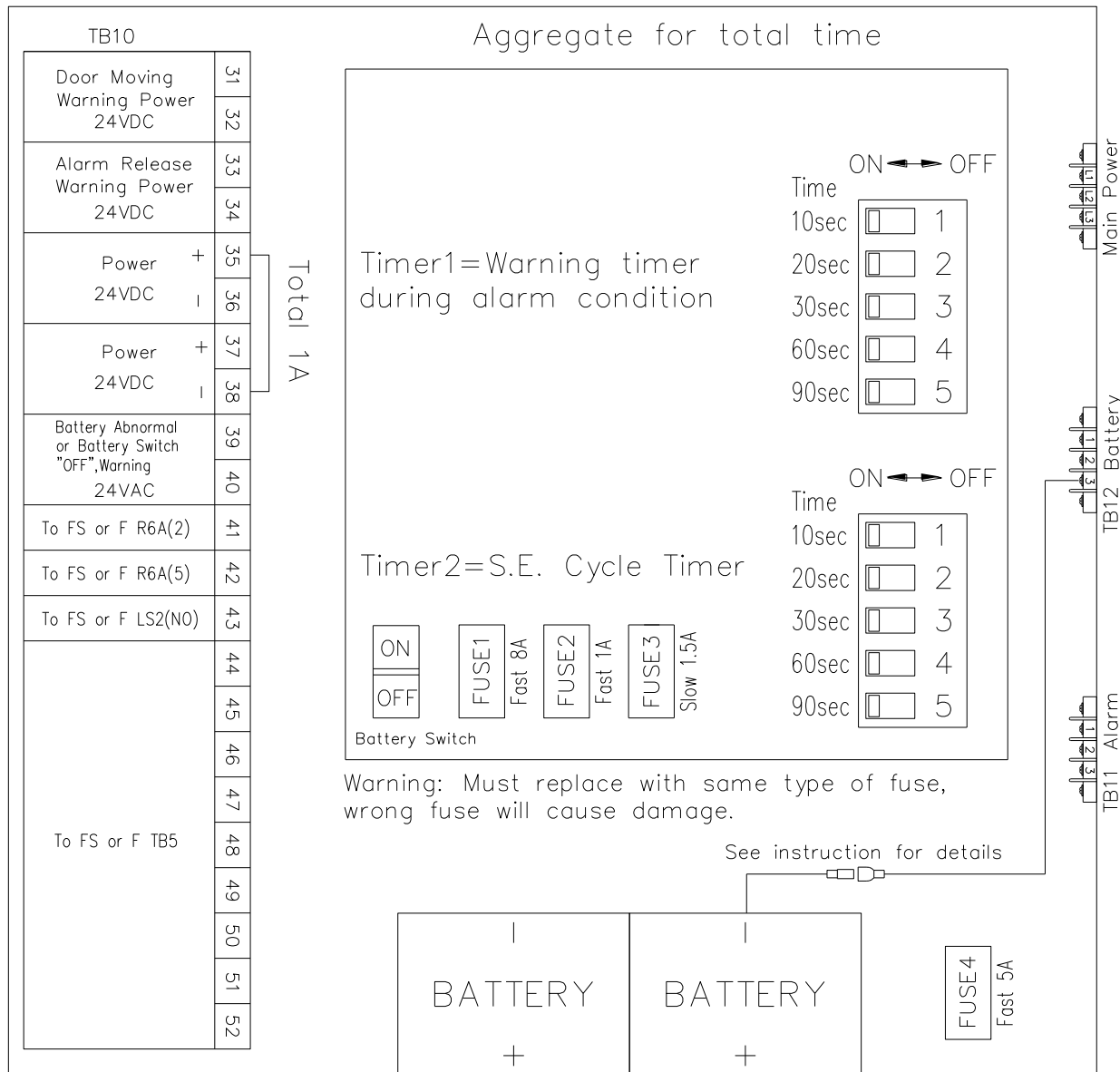
F-BBU-07

Front Panel Display



Note:

1. Red light will go off when power drops below 20VDC.
2. When red light goes off press "RESET" button or replace battery.



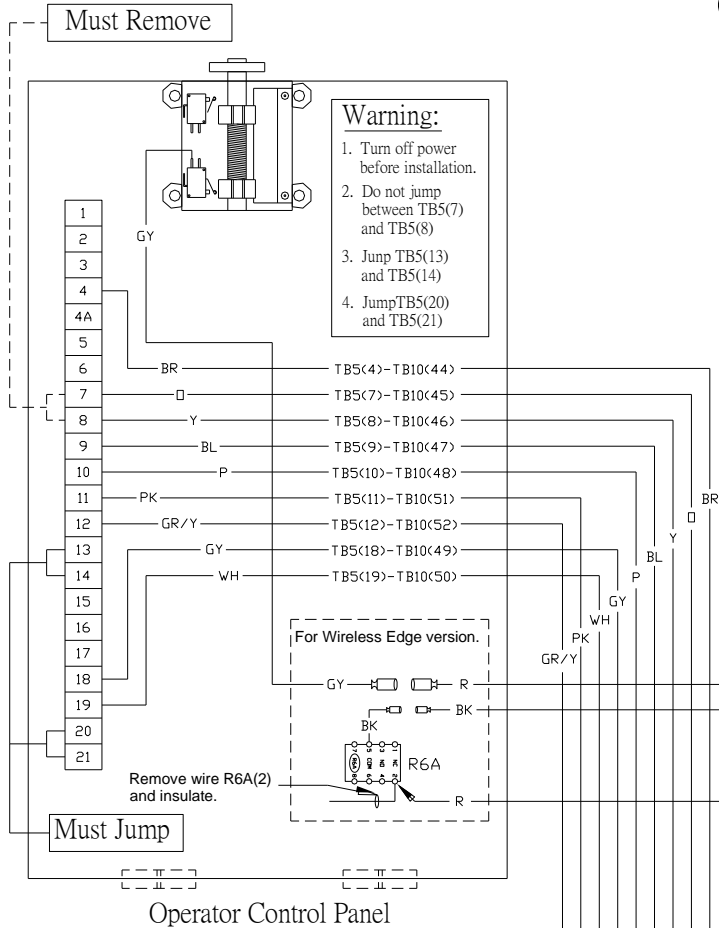
2008/10/27

Warning: Turn off power before installation

Instruction for Battery Back Up Module, Model F-BBU

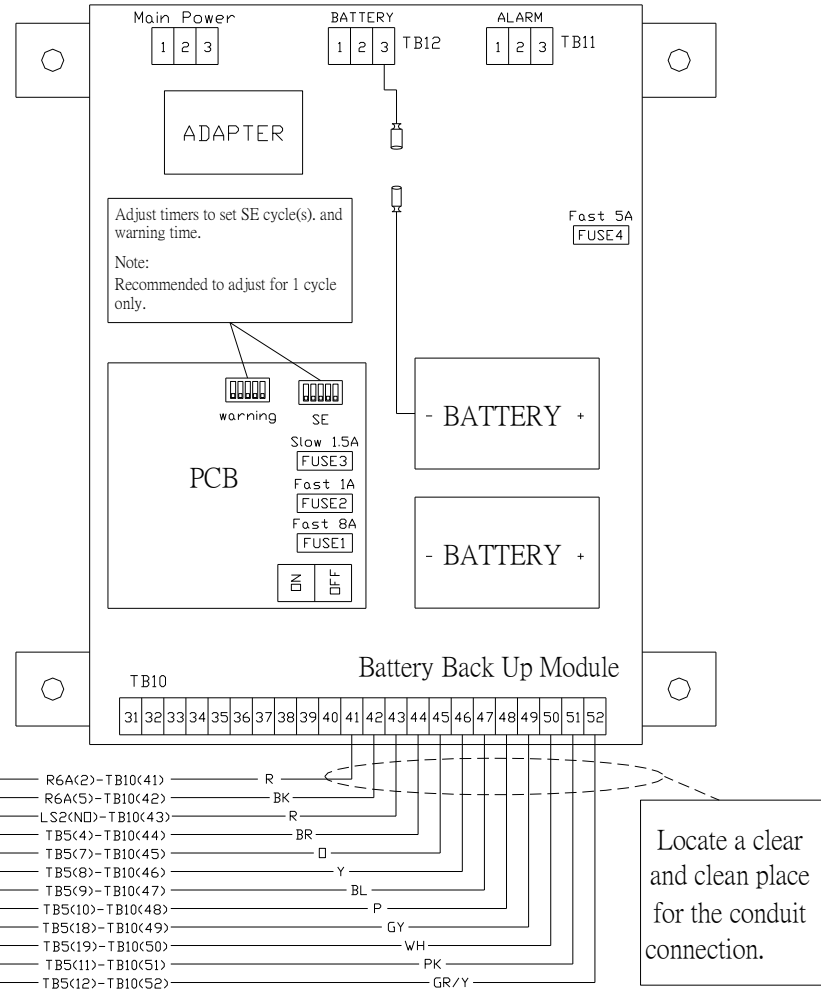
(For FS Series "UL325-2010" version)

F-BBU-07A4



- TB10(31)&(32):Warning Power (24VDC)
- TB10(33)&(34):Alarm Warning Power (24VDC)
- TB10(35)&(36):Power (24VDC) > Total 1A
- TB10(37)&(38):Power (24VDC)
- TB10(39)&(40):Battery Abnormal or Battery Switch "OFF",Warning (24VAC)
- TB11(1)&(3):Dry Contact (Alarm)

Warning: Use wrong fuse will cause damage.



Locate a clear and clean place for the conduit connection.

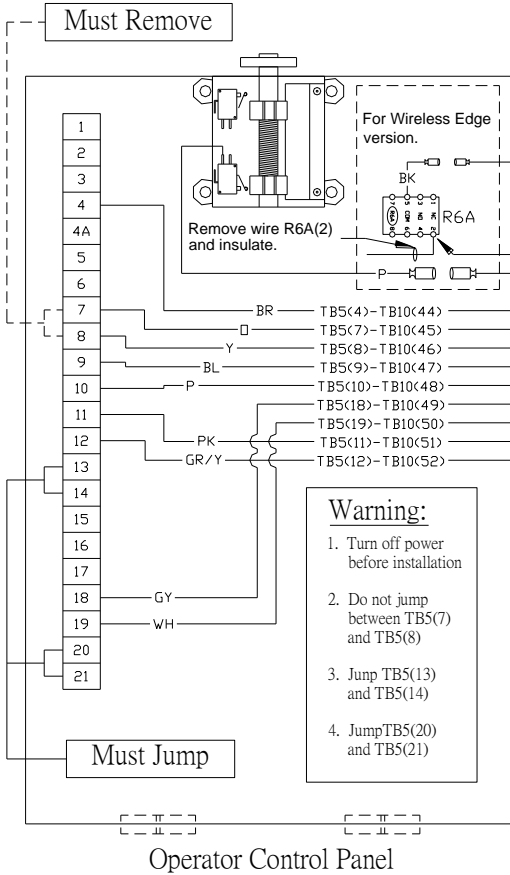
2011.06.28

Instruction for Battery Back Up Module, Model F-BBU
 (For FS and F Series "Wireless Edge" version)

F-BBU-07A1

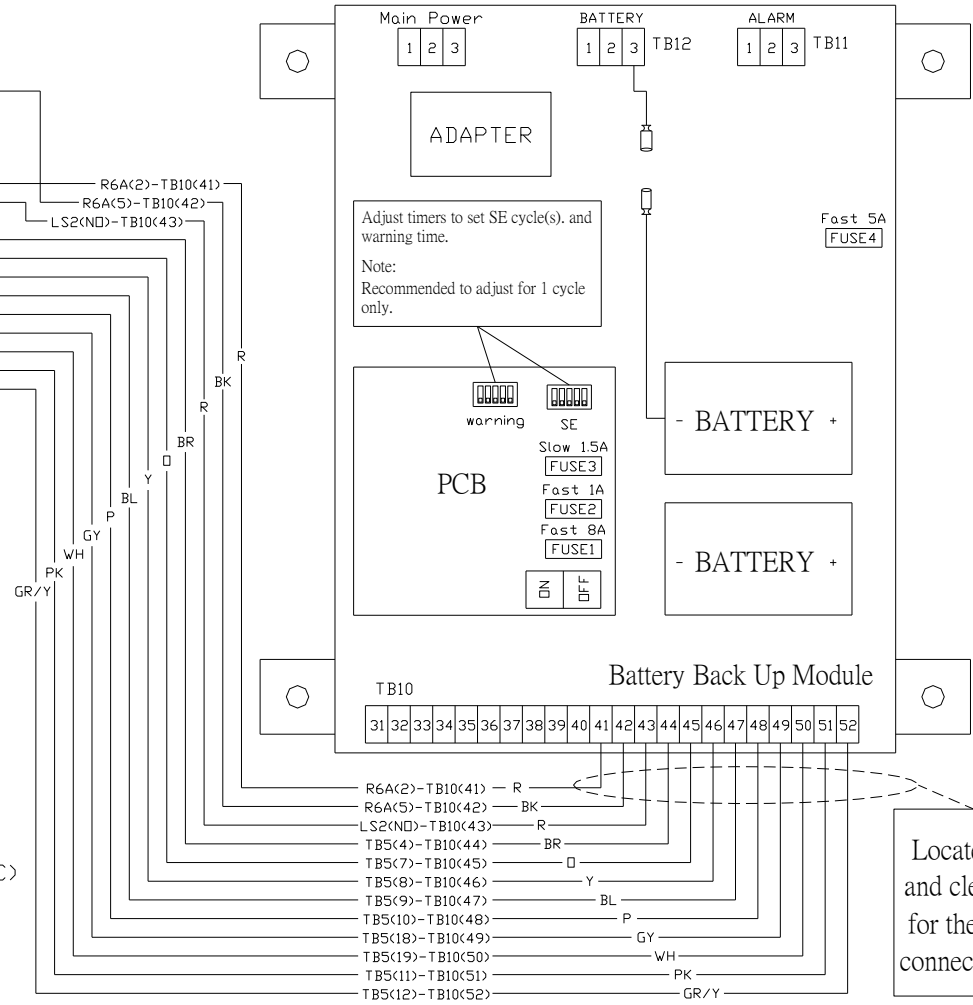
Warning: Turn off power before installation

Warning: Use wrong fuse will cause damage.



- Warning:**
1. Turn off power before installation
 2. Do not jump between TB5(7) and TB5(8)
 3. Jump TB5(13) and TB5(14)
 4. Jump TB5(20) and TB5(21)

TB10(31)&(32):Warning Power (24VDC)
 TB10(33)&(34):Alarm Warning Power (24VDC)
 TB10(35)&(36):Power (24VDC) > Total 1A
 TB10(37)&(38):Power (24VDC)
 TB10(39)&(40):Battery Abnormal or Battery Switch "OFF",Warning (24VAC)
 TB11(1)&(3):Dry Contact (Alarm)



Adjust timers to set SE cycle(s) and warning time.
 Note: Recommended to adjust for 1 cycle only.

Locate a clear and clean place for the conduit connection.

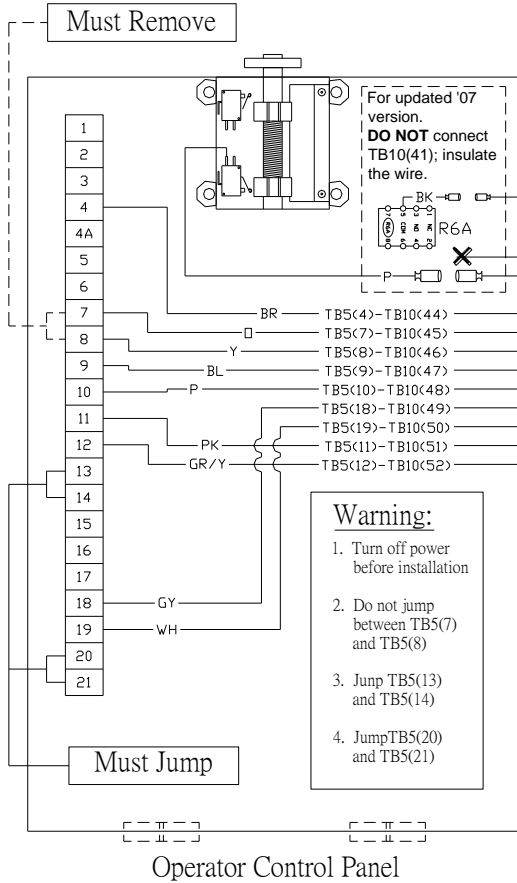
2008.10.27

Instruction for Battery Back Up Module, Model F-BBU
 (For FS and F Series "Updated '07" version)

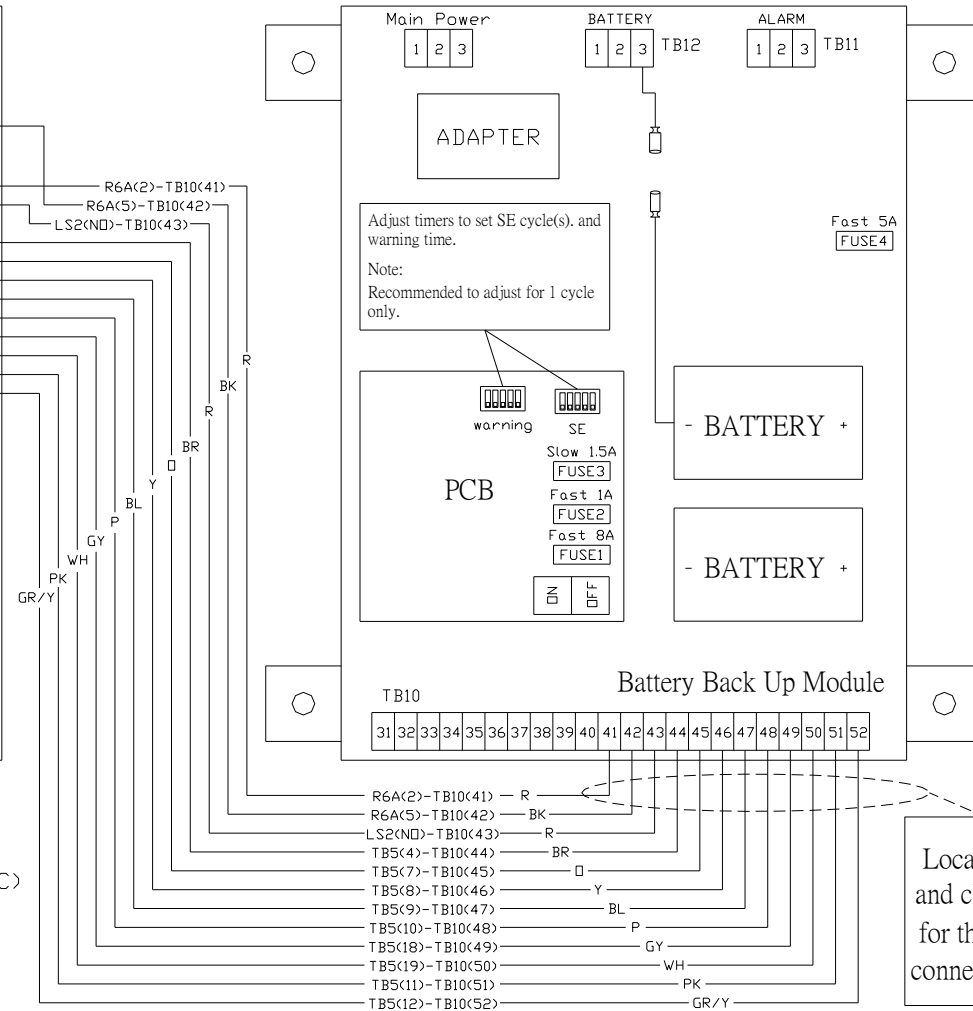
F-BBU-07A2

Warning: Turn off power before installation

Warning: Use wrong fuse will cause damage.



TB10(31)&(32):Warning Power (24VDC)
 TB10(33)&(34):Alarm Warning Power (24VDC)
 TB10(35)&(36):Power (24VDC) > Total 1A
 TB10(37)&(38):Power (24VDC)
 TB10(39)&(40):Battery Abnormal or Battery Switch "OFF",Warning (24VAC)
 TB11(1)&(3):Dry Contact (Alarm)



Locate a clear and clean place for the conduit connection.

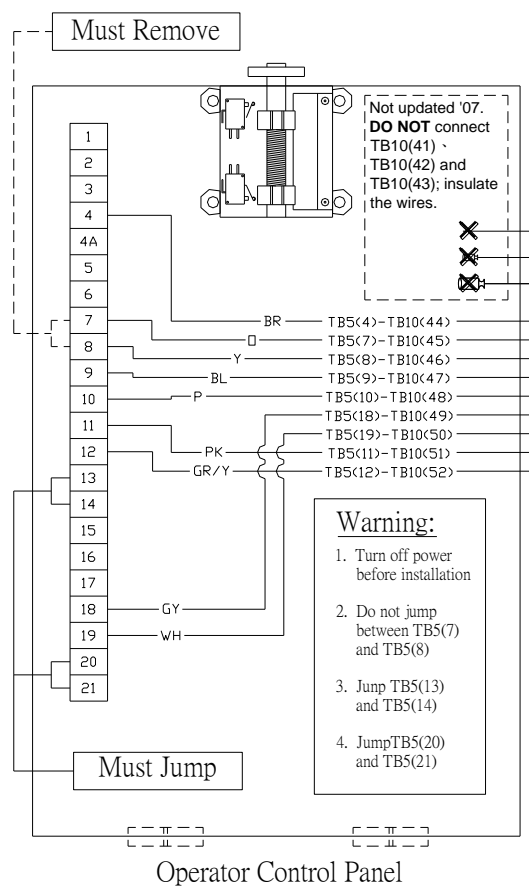
2008.10.27

Instruction for Battery Back Up Module, Model F-BBU
 (For FS and F Series Older Operators)

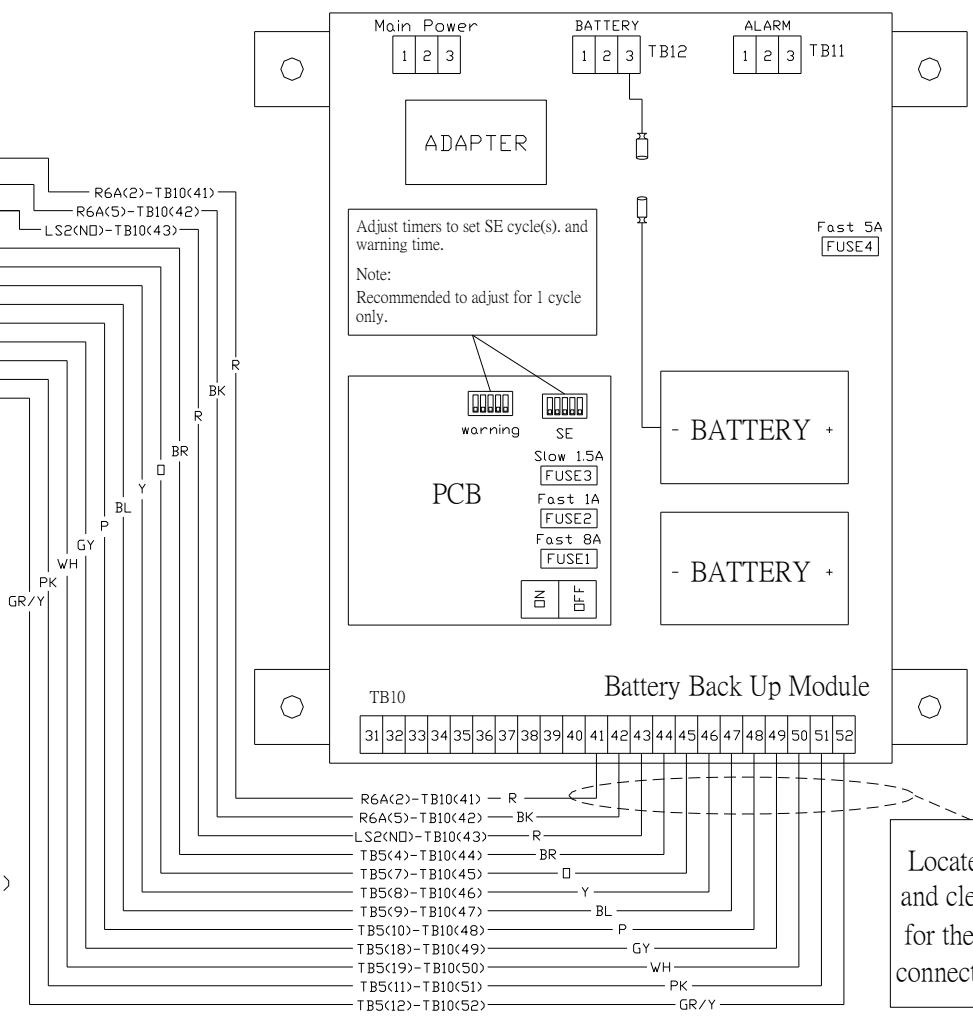
F-BBU-07A3

Warning: Turn off power before installation

Warning: Use wrong fuse will cause damage.



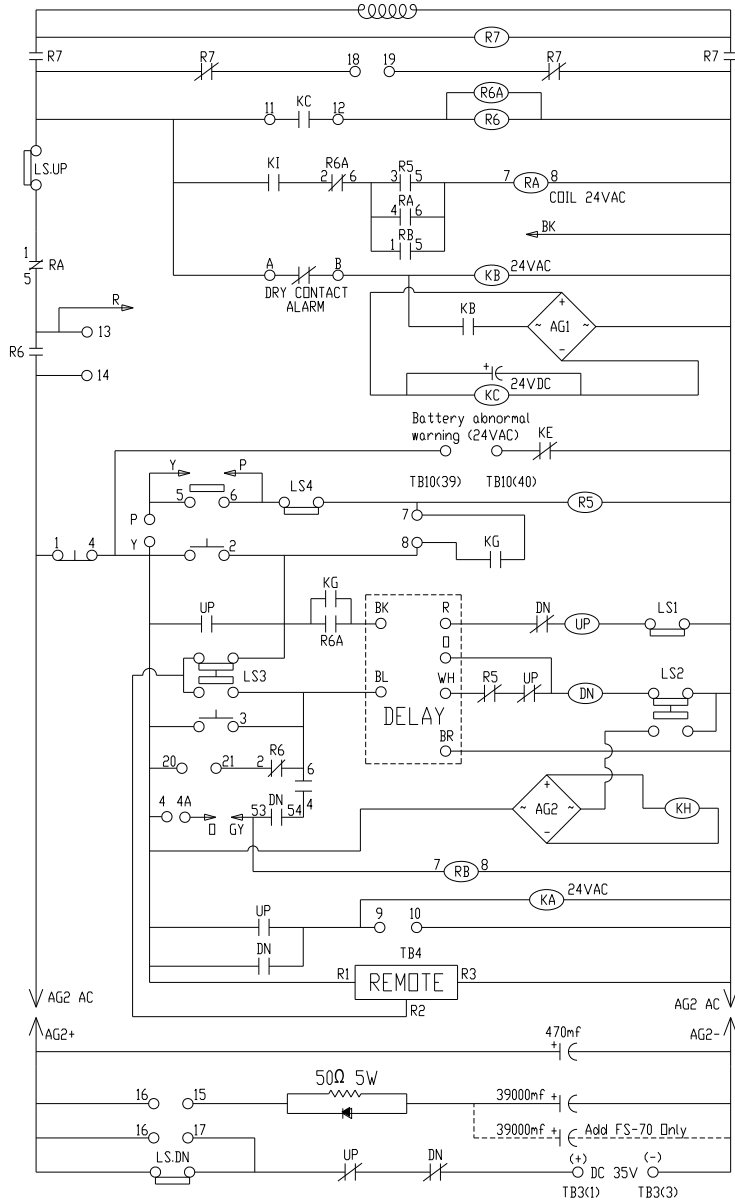
TB10(31)&(32):Warning Power (24VDC)
 TB10(33)&(34):Alarm Warning Power (24VDC)
 TB10(35)&(36):Power (24VDC) > Total 1A
 TB10(37)&(38):Power (24VDC) > Total 1A
 TB10(39)&(40):Battery Abnormal or Battery Switch "OFF",Warning (24VAC)
 TB11(1)&(3):Dry Contact (Alarm)



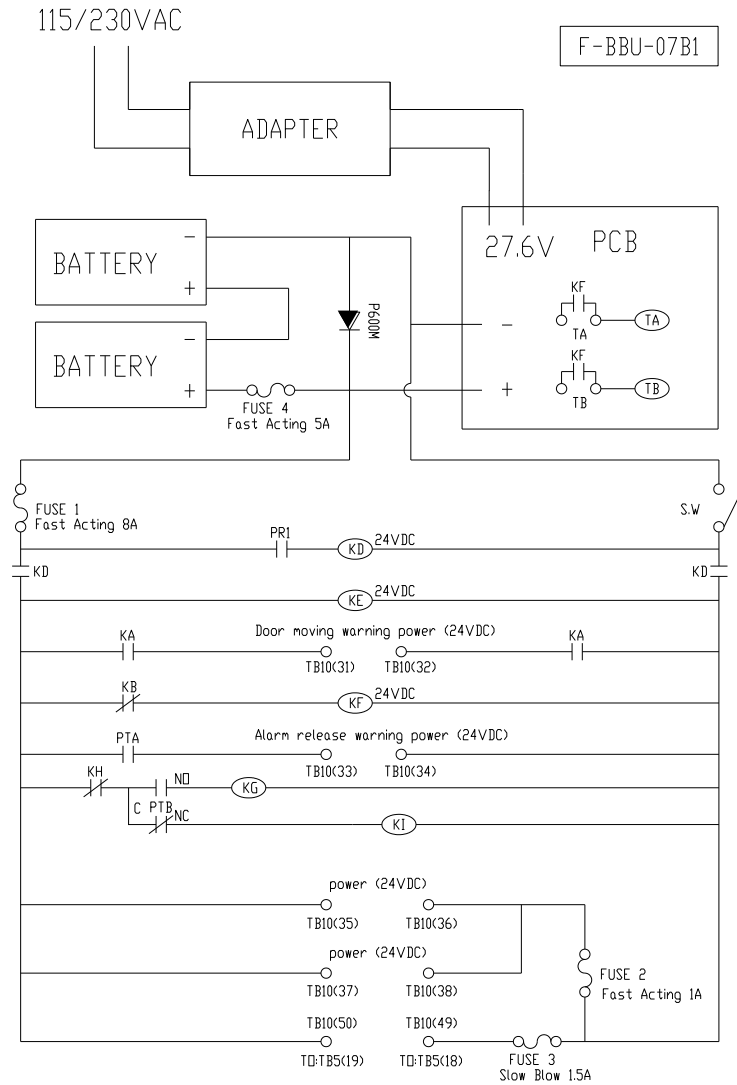
Locate a clear and clean place for the conduit connection.

2008.10.27

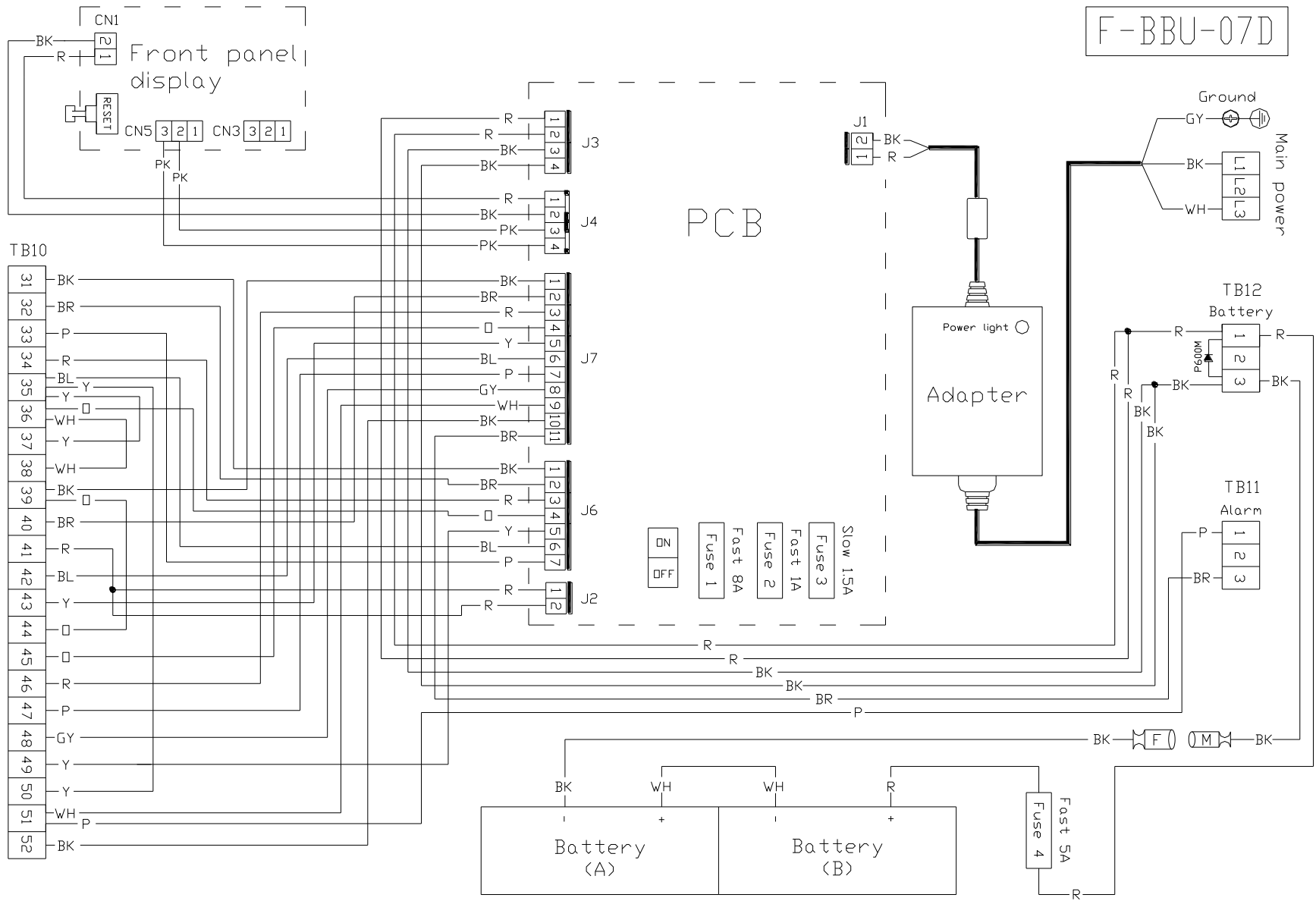
FS Control Wiring Schematic Diagram
(UL 325-2010 Version)



Battery Back Up Module F-BBU Schematic.



2011.04.14



Rev:2011.07.18