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.
4. Remove operator jumper TB5 (7) & (8).
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”.
10. Connect battery red sockets.
11. Connect power to F-BBU.
12. Connect power to the operator.
13. Turn battery switch to “ON”.

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**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.
Front Panel Display

26VDC 25VDC 24VDC 23VDC 22VDC
G G G Y R

No Function Power

Reset

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

Aggregate for total time

Timer 1 = Warning timer during alarm condition

Time
10sec 20sec 30sec 60sec 90sec
ON OFF ON OFF ON OFF

Timer 2 = S.E. Cycle Timer

Time
10sec 20sec 30sec 60sec 90sec
ON OFF ON OFF ON OFF

Warning: Must replace with same type of fuse, wrong fuse will cause damage.

Battery Switch

See instruction for details

FUSE

2008/10/27
Warning: Turn off power before installation

Must Remove

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)

Instruction for Battery Back Up Module, Model F-BBU
(For FS Series ‘UL325-2010’ version)

Warning: Use wrong fuse will cause damage.

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

Remove wire R6A(2) and insulate.

Operator Control Panel

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)&(2)=Dry Contact (Alarm)

Locate a clear and clean place for the conduit connection.

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Warning: Turn off power before installation

Warning: Use wrong fuse will cause damage.

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

Must Remove

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)

Warning: Must Jump

Remove wire R6A(2) and insulate.

Operator Control Panel

Battery Back Up Module

Locate a clear and clean place for the conduit connection.
Warning: Turn off power before installation

- Must Remove

Operator Control Panel

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)

Warning: Use wrong fuse will cause damage.

For updated '07 version,
DO NOT connect TB10(41); insulate the wire.

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.
Warning: Turn off power before installation

Must Remove

Warning: Use wrong fuse will cause damage.

Adjust timers to set SE cycle(s) and warning time.

Note: Recommended to adjust for 1 cycle only.

Not updated '07.

DO NOT connect TB10(41), TB10(42) and TB10(43); insulate the wires.

Locate a clear and clean place for the conduit connection.

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

Warning: Turn off power before installation

Must Jump

Operator Control Panel

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)