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
C G C G Y R

No Function Power

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

Timer1 = Warning timer during alarm condition

Time
ON OFF
10sec 1
20sec 2
30sec 3
60sec 4
90sec 5

Timer2 = S.E.: Cycle Timer

Time
ON OFF
10sec 1
20sec 2
30sec 3
60sec 4
90sec 5

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

See instruction for details

2008/10/27

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Locate a clear and clean place for the conduit connection.

Instruction for Battery Back Up Module, Model F-BBU

(For FS Series ‘UL325-2010’ version)

Warning: Must Remove

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

Warning: Use wrong fuse will cause damage.

Warning: Turn off power before installation

Operator Control Panel

TB10(30) Warning Power (24VDC)
TB10(33) Alarm Warning Power (24VDC)
TB10(35) Power (24VDC) Total 1A
TB10(37) Power (24VDC)
TB10(39) Battery Abnormal or Battery Switch OFF, Warning (24VAC)
TB10(1) Dry Contact (Alarm)

Remove wire R6A(2) and insulate.

Note: Recommended to adjust for 1 cycle only.

Battery Back Up Module

Locate a clear and clean place for the conduit connection.

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Warning: Turn off power before installation

Must Remove

- TB5(7)
- TB5(8)
- TB5(13)
- TB5(14)
- TB5(20)
- TB5(21)

Warning: Use wrong fuse will cause damage.

Operator Control Panel

- TB10(31)&(32): Warning Power (24VDC)
- TB10(33)&(34): Alarm Warning Power (24VDC)
- TB10(35)&(36): Power (24VDC)
- 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.
Instruction for Battery Back Up Module, Model F-BBU
(For FS and F Series "Updated '07" version)

Warning: Turn off power before installation

Must Remove

Must Jump

Warning: Use wrong fuse will cause damage.

Warning: Turn off power before installation

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.

Battery Back Up Module

Operator Control Panel

Warning: Use wrong fuse will cause damage.

Battery Back Up Module

Locate a clear and clean place for the conduit connection.

2008.10.27

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

Warning: Turn off power before installation

Must Remove

Warning: Use wrong fuse will cause damage.

Warning: Must Jump

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)

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.

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)
TB10(41)&(3): Dry Contact (Alarm)

Locate a clear and clean place for the conduit connection.