

FT-350B vs FT-250B Program button

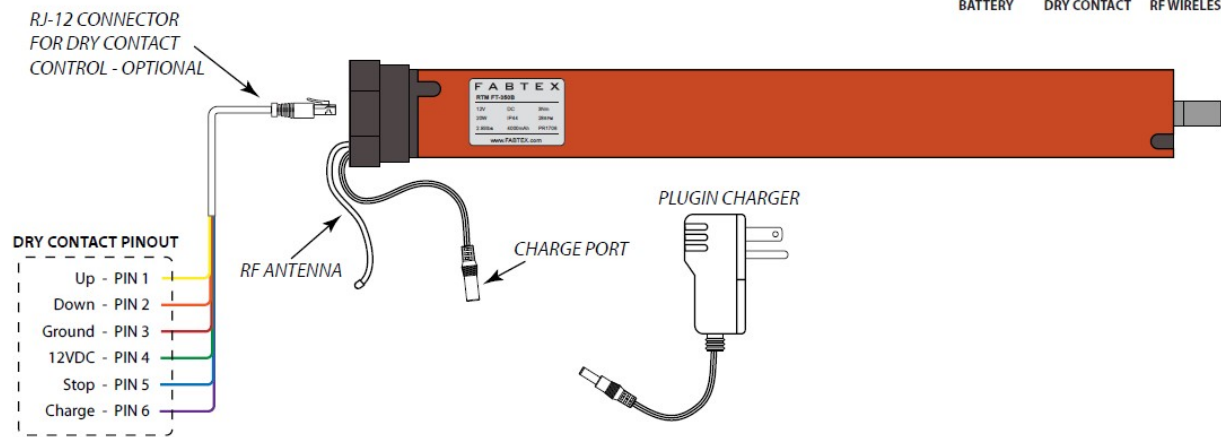


FT-350B vs FT-250B Program button

Legacy series FT-350B specification

FT-350B Battery Shading Motor

12VDC, 3Nm Torque, 28 RPM, 4000mAh, 20 Watts



The FT-350B is a 3Nm battery motor. Designed with an on-board Li-ion battery, this motor is maintained by a low current trickle charge which is to be provided by a small plug-in charger. The plug-in charger can be setup to permanently charge the battery, or only be plugged in for a few hours every 6-12 months, or as motor use levels require.

The 350B is setup for wireless wall mounted and hand-held remote options but also has wired Dry Contact capabilities allowing for 3rd party system integration. The FT-350B produces less than 40bDA, powers shades on 2" tubes, and can accommodate a minimum width of 31 inches.

CONFIDENTIAL All materials disclosed in this document are proprietary to Fabtex, Inc. The Holder agrees to maintain it in confidence and must not replicate or reveal this information in any manner.	Project: Fabtex FT-350B Motor Built-in battery, RF and RJ12 Control
	Date: 19-APR-2018
Scale: DO NOT SCALE	Dimensions: Inches/Feet
	By: C. Johnson



Legacy series FT-350B specification

Programming Instruction: Fabtex motor series [FT-350F, FT350B, FT-250B]

MOTOLIN

MOTOR PROGRAMMING

Alternate Programming Guide AM/FM Motors

[Fabtex: FT-350F, FT-350B, FT-250B]
Motolin: ML-350F, ML-350B, ML-250B]



Binding Motor to Transmitter

Step 1: Initiate Programming

Press & Hold the **PROGRAM** button on MOTOR, releasing after shade jogs once. [Motor will emit 1 long tone confirming 20 sec. active pairing mode to transmitter]

Step 2: Transmitter Pairing Sequence [P2, P2, Up]

Press the **PROGRAM** button on the transmitter ONCE, the MOTOR will chirp

Press the **PROGRAM** button on the transmitter ONCE again, the MOTOR will chirp again

Press the **UP** button on the transmitter ONCE, MOTOR will chirp four times and jog

Verify control of the shade, Initial Pairing is Complete

Limit Setting

Step 1: Transmitter Limit Setting Sequence [P2, Up, P2]

Press the **PROGRAM** button on the Transmitter ONCE, motor will chirp

Press the **UP** button ONCE, MOTOR will chirp

Press the **PROGRAM** button on the Transmitter ONCE again, the MOTOR will chirp 3 times and jog

Step 2: Setting Top/Bottom Limits

Adjust to upper limit point Press & Hold **STOP** for 5 seconds until the MOTOR responds with a small jog

Adjust to lower limit point Press & Hold **STOP** for 5 seconds until the MOTOR responds with a small jog

Limit setting is Complete

Adding Additional Transmitters

Step 1: Press the **PROGRAM** button TWICE on the existing Transmitter

Step 2: Press the **PROGRAM** button ONCE on the new transmitter, the MOTOR will chirp 3 times and jog
Transmitter addition is Complete

Deleting a Transmitter

1 Step: Transmitter Delete Sequence [P2, Stop, P2]

Press the **PROGRAM** button ONCE; MOTOR will chirp

Press the **STOP** button ONCE; MOTOR will chirp

Press the **PROGRAM** button ONCE, the MOTOR will chirp 3 times and jog

Transmitter removal is Complete

Reverse Motor Rotation

1 Step: To change rotation direction Press & Hold the **PROGRAM** button on the MOTOR, Release after Motor jogs twice (4-6 seconds)

Rotation direction change is Complete

Deleting the limits

1 Step: Initiate Delete Limit Sequence [P2, Down, P2]

Press the **PROGRAM** button on the Transmitter ONCE; MOTOR will chirp.

Press the **DOWN** button ONCE; MOTOR will chirp

Press the **DOWN** button ONCE, MOTOR will chirp.

Press the **PROGRAM** button on the transmitter ONCE again, the MOTOR will chirp 3 times and jog.

Limit deletion is Complete

Reset to factory Defaults

1 Step: Press & Hold the **PROGRAM** button on the **MOTOR** & release after 3 jogs (6-8 seconds)

1st MOTOR jog at the 2-4 second mark; keep holding

2nd MOTOR jog at the 4-6 second mark; keep holding

3rd MOTOR jog at the 6-8 second mark; RELEASE the **PROGRAM** button

The MOTOR will chirp three times to confirm the change

Factory reset is Complete

Transmitter Frequency AM/FM Switch

Step 1: Determine Frequency – Press “P2” once; Controller will respond on front emitting a **Blue Light:**

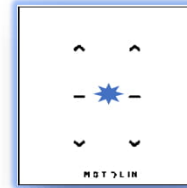
Three quick blue flashes = Motolin Motor/FM ~ *One solid* blue flash = Fabtex Motor/AM

Step 2: Remove Transmitter battery

Step 3: Press & Hold the PROGRAM[P2] button [With battery out]

Step 4: Replace/Insert battery; release PROGRAM[P2] button

Transmitter Frequency AM/FM switch Complete



Programming Instruction: Fabtex motor series [FT-350F, FT350B, FT-250B]

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Transmitter removal is Complete

Reverse Motor Rotation

1 Step: To change rotation direction Press & Hold the **PROGRAM** button on the MOTOR, Release after Motor jogs twice (4-6 seconds)

Rotation direction change is Complete

Deleting the limits

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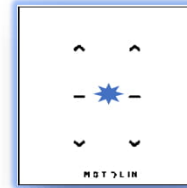
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Transmitter Frequency AM/FM switch Complete



Fabtex SMA ML/FT-350PW RS Motor



MOTOR PROGRAMMING PW ROLLER SHADE MOTORS

Instructions for SMA FT-350PW 4 – wire motors :: *Leviton 5657-2W*

4 – Wires from motor side

4. Red = Direction 1
5. Black = Direction 2
6. White = Neutral
7. Green = Ground

3 – Wires from house side [Wire color may differ]

3. Green = Ground
4. White = Neutral
5. Black = 120VAC

SPDT center neutral [*Leviton 5657-2W*]– rocker switch [A licensed electrician required to complete wiring connections]

4. Red (Direction 1) motor wire to “UP” activated position on control switch
5. Black (Direction 2) motor wire to “Down” activated position on control switch
6. White (Neutral) motor wire combined with neutral house wire
7. Green (Ground) Motor wire combined with house ground wire

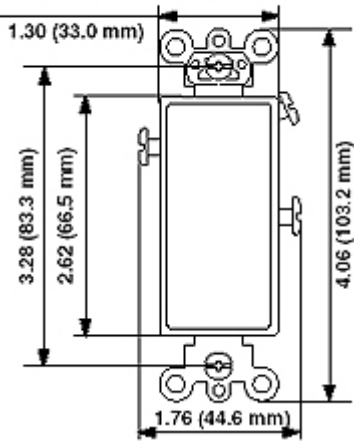
Motor rotation direction

1. Confirm travel direction of shade: Press “Down” on switch and confirm direction of shade moves down
 - a. Motor on right side of window: Red (Direction 1) is “Up” & Black (Direction 2) is “Down”
 - b. Motor on left side of window: Red (Direction 1) is “Down” & Black (Direction 2) is “Up”
2. If travel direction is reversed swap Direction 1 & 2 wires on rocker switch
3. Confirm travel direction of shade matches switch

Setting motor limits [Motor wired to switch required]

2. Identify the “Orange” program button on the head of the motor at end of shade
3. Set bottom limit: Press “Down” on switch, once shade reaches desired bottom limit; simultaneously press the “Orange” program button on motor
 2. If shade stops prior to desired bottom limit: simultaneously press “Down” on switch and tap or hold “Orange” program button on motor until desired bottom limit is met
 3. If shade exceeds bottom limit: Press “Up” on switch passing desired bottom limit and repeat instructions 2 – a.
3. Set upper limit: Press “Up” on switch, once shade reaches desired upper limit; simultaneously press the “Orange” program button on motor
 2. If shade stops prior to desired upper limit: simultaneously press “Up” on switch and tap or hold “Orange” program button on motor until desired upper limit is met
 3. If shade exceeds upper limit: Press “Down” on switch passing desired upper limit and repeat instructions 3 – a.
4. Test top and bottom limits are set

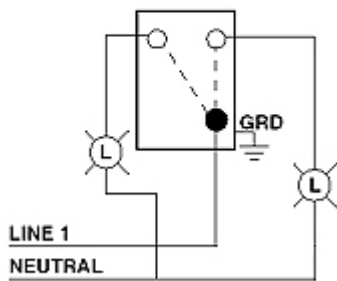
Dimensional Diagram



Dimensional Diagram :: Leviton 5657-2W

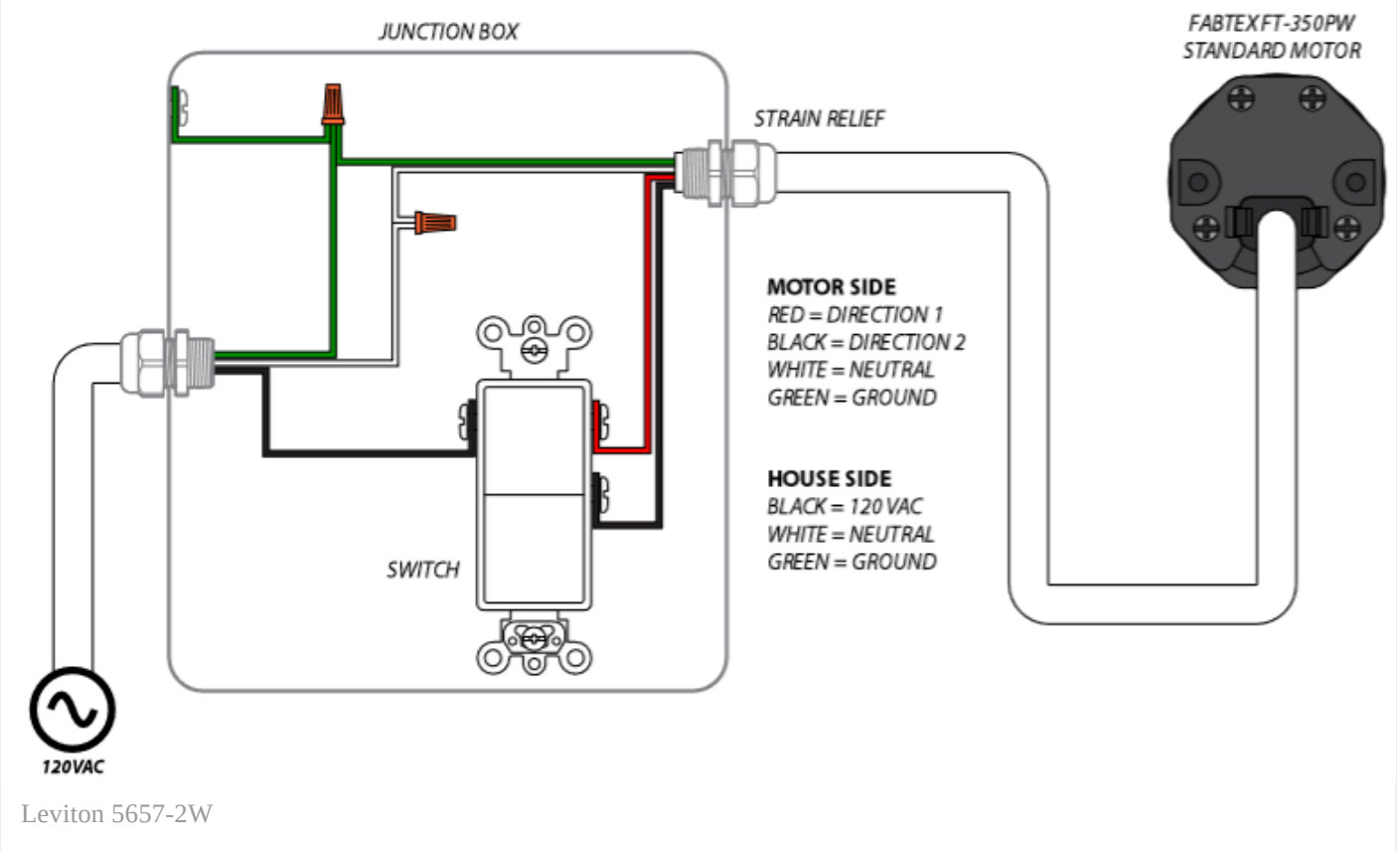
Wiring Diagram

Single-Pole, Double Throw
(SPDT) Center OFF



Wiring Diagram :: SPDT Leviton 5657-2W

Fabtex Standard 4-Wire Motor



F A B T E X[®]

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