



## Installation

- 1. WARNING: Shock Hazard. May result in serious injury or death. Turn off power at circuit breaker before installing the unit.**  
Damage caused by wiring with power on will void the warranty. Install in accordance with all national and local electrical codes.

- 2. Wire connectors supplied can be used to join one 10 to 18 AWG (6 to 0.75 mm<sup>2</sup>) wire with one or two 12 or 14 AWG (2.5 or 1.5 mm<sup>2</sup>) wires. Wire connectors are suitable for use with copper wire ONLY.**

**Strip wallbox wires to the following lengths:**  
5/8 in (13 mm) for 10, 12, and 14 AWG (6, 2.5, and 1.5 mm<sup>2</sup>) wire  
5/8 in (16 mm) for 16 and 18 AWG (1.0 or 0.75 mm<sup>2</sup>) wire



- 3. Using wire connectors supplied, make connections following the appropriate wiring diagrams for your combination of controls and ballasts.**

- 4. Carefully push wires into wallbox, allowing room for dimmer backcover. Do not pinch wires.**

- 5. Mount dimmer to wallbox using screws provided. Unit MUST be mounted vertically.**

- 6. Turn power ON.**

### 7. For magnetic ballasts ONLY:

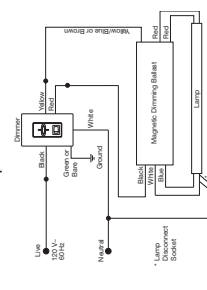
- Adjust minimum light intensity as follows:  
a) Run lamps at full intensity (slider at top position) for 15 minutes to warm ballasts.
- Lower thumbwheel adjustment (shown in Package Contents d) Rotate the thumbwheel to raise or lower minimum light intensity. Proper minimum light intensity is set when lamps do not flicker or drop out.

### For Lutron electronic ballasts ONLY:

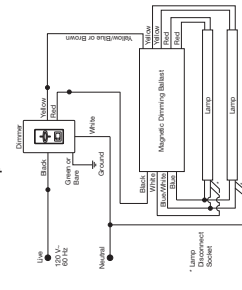
This unit is factory-calibrated and does not normally require low-end light adjustment when used with Lutron HPS, HPLC, HPLC-EC, HPLC-EC2, ECP-04, ECP-04e, ECP-04e2, ECP-04e3, ECP-04e4, ECP-04e5, ECP-04e6, ECP-04e7, ECP-04e8, ECP-04e9, ECP-04e10, ECP-04e11, ECP-04e12, ECP-04e13, ECP-04e14, ECP-04e15, ECP-04e16, ECP-04e17, ECP-04e18, ECP-04e19, ECP-04e20, ECP-04e21, ECP-04e22, ECP-04e23, ECP-04e24, ECP-04e25, ECP-04e26, ECP-04e27, ECP-04e28, ECP-04e29, ECP-04e30, ECP-04e31, ECP-04e32, ECP-04e33, ECP-04e34, ECP-04e35, ECP-04e36, ECP-04e37, ECP-04e38, ECP-04e39, ECP-04e40, ECP-04e41, ECP-04e42, ECP-04e43, ECP-04e44, ECP-04e45, ECP-04e46, ECP-04e47, ECP-04e48, ECP-04e49, ECP-04e50, ECP-04e51, ECP-04e52, ECP-04e53, ECP-04e54, ECP-04e55, ECP-04e56, ECP-04e57, ECP-04e58, ECP-04e59, ECP-04e60, ECP-04e61, ECP-04e62, ECP-04e63, ECP-04e64, ECP-04e65, ECP-04e66, ECP-04e67, ECP-04e68, ECP-04e69, ECP-04e70, ECP-04e71, ECP-04e72, ECP-04e73, ECP-04e74, ECP-04e75, ECP-04e76, ECP-04e77, ECP-04e78, ECP-04e79, ECP-04e80, ECP-04e81, ECP-04e82, ECP-04e83, ECP-04e84, ECP-04e85, ECP-04e86, ECP-04e87, ECP-04e88, ECP-04e89, ECP-04e90, ECP-04e91, ECP-04e92, ECP-04e93, ECP-04e94, ECP-04e95, ECP-04e96, ECP-04e97, ECP-04e98, ECP-04e99, ECP-04e100. If lamps flicker or drop out at minimum dimming level there may be an installation error or the low-end light level may need to be reset. Continued use of the system in this mode will cause premature lamp failure. If this condition exists, call the Lutron Technical Support Center at 1.800.523.9466.

## SF-10P with Magnetic Dimming Ballast

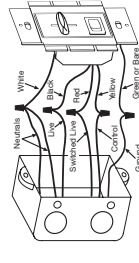
### SF-10P with one lamp ballast



### SF-10P with two lamp ballast

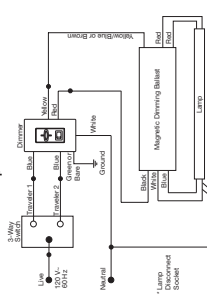


### SF-10P wallbox wiring

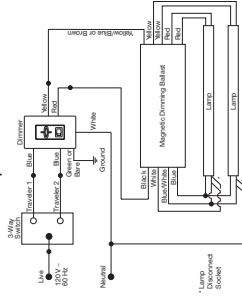


## SF-103P with Magnetic Dimming Ballast

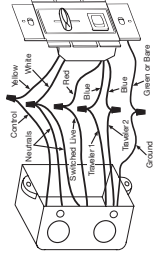
### SF-103P with one lamp ballast



### SF-103P with two lamp ballast



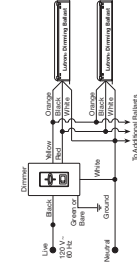
### SF-103P wallbox wiring



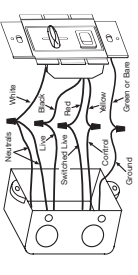
**NOTE:** If the SF-103P does not turn off or the unit does not turn on at all, the red and blue wires have been connected incorrectly. The result of the miswire depends on the position of the other 3-Way switch. Check the wiring carefully.

## SF-10P with Lutron® Ballast

### SF-10P with Lutron electronic ballast

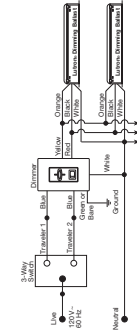


### SF-10P wallbox wiring



## SF-103P with Lutron® Ballast

### SF-103P with Lutron electronic ballast



### SF-103P wallbox wiring

