



# Dimmer Switch for 355 Exam Light [002-0592-00]

**Components:**  
 015-3371-00  
 Dimmer Switch ..... 1

**Special Tools:**  
 Volt-Ohm Meter (VOM)



### DANGER

Assure electrical supply power is turned off and circuit breaker is tagged indicating circuit is being worked on before working on electrical controls or circuitry. Failure to comply could result in serious personal injury or death.



### Equipment Alert

Use of any other dimmer control and wiring diagram other than the one specified by Midmark can cause damage to the light's transformer and may void warranty. Do **not** use wire diagram supplied by manufacturer of dimmer switch to wire light, **ONLY** use the one in this installation manual. Failure to comply can cause damage to the lights transformer and may void warranty.

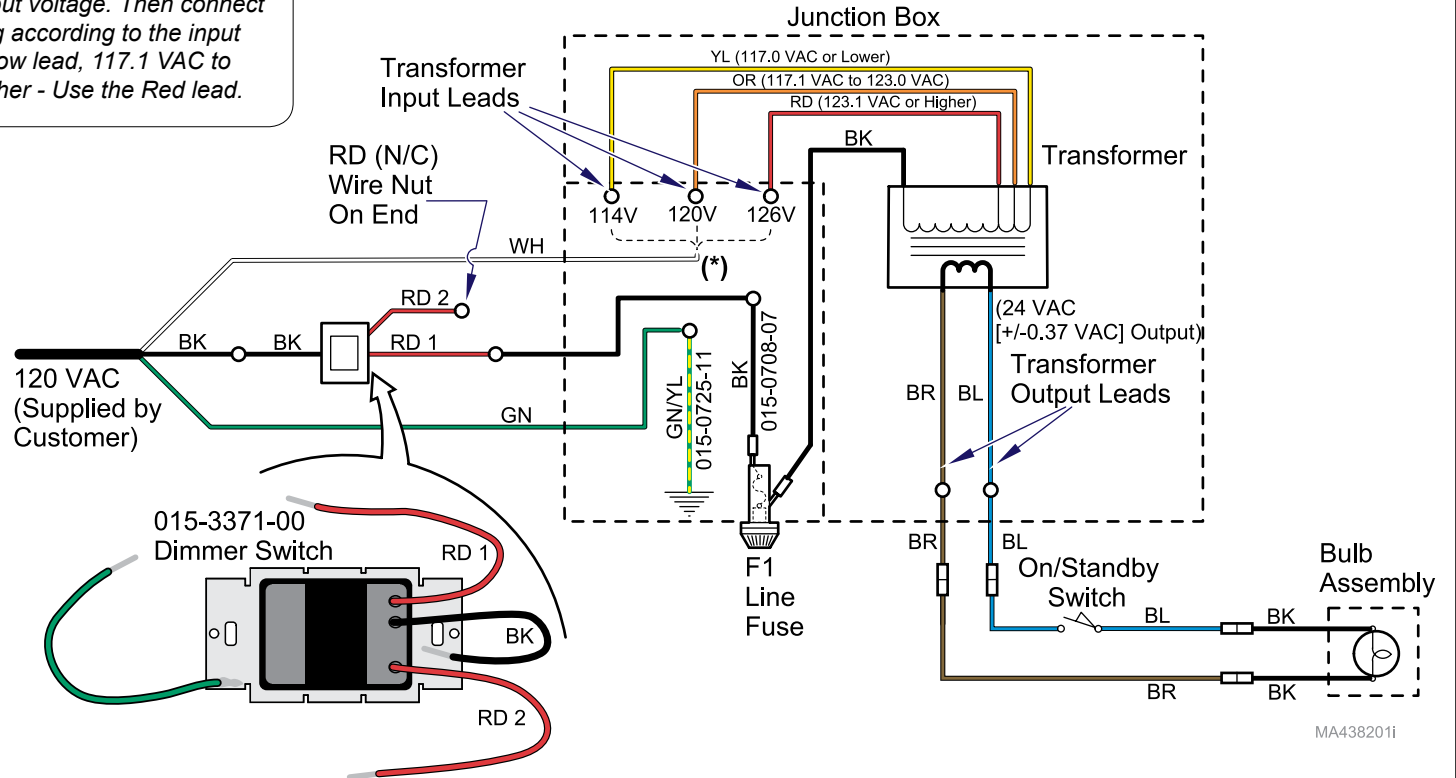
### Note

Select transformer input tap by measuring the input voltage. Then connect the power lead (white wire) to one of the following according to the input voltage measured: 117.0 VAC or lower - Use Yellow lead, 117.1 VAC to 123.0 VAC = Use Orange lead, 123.1 VAC or higher - Use the Red lead.

### Installation...

- Mount dimmer control in desired location.
- Connect black lead from dimmer control to black lead of supply power.
- Connect red 1 lead from dimmer control to black lead from line fuse (F1) in junction box.
- Connect green (ground) lead from supply power line to green/yellow (ground) lead of junction box.
- Connect white "neutral" lead from supply line to orange lead from transformer at the junction box.
- Carefully tape or place a wire nut on red 2 lead from dimmer control as it will not be used.
- Carefully tape or place wire nuts on the remaining red and yellow leads from the transformer at the junction box.

Legend	
	Wire Nut Connection
	Bullet Connection



### DANGER

Assure that all electrical leads not being used are taped or have wire nuts installed to prevent shorting.



### **DANGER**

- Use extreme care when working on with the power on. Failure to do so could result in serious personal injury or death from electrical shock.
- Assure the electrical supply power is turned off and the circuit breaker is being worked on before working on the electrical controls or circuitry. Failure to comply could result in serious personal injury or death.
- Assure meter and supply leads are properly insulated to prevent shorting. Use extreme caution to prevent electrical shock when supply power is turned on.
- Assure that all leads not being used are taped or have wire nuts on them to prevent shorting to junction box.

### **To Measure Input Voltage...**

- Turn main power to light OFF at circuit breaker.
- Disconnect Red 1 "hot" lead of dimmer control from black lead of fuse (F1) at light's junction box.
- Disconnect white "neutral" lead from orange transformer lead at junction box.
- Set volt-ohm meter at an appropriate range to measure 1120+ AC volts.
- Connect meter leads to white "neutral" lead of supply and to yellow "hot" lead from dimmer control.
- Turn the supply power to **ON** and take a voltage reading and then turn **OFF** supply power.
- Compare the voltage reading to Table. With supply voltage **OFF** connect white "neutral" lead to appropriate transformer lead. (Refer to table)
- Connect the Red 1 lead from the dimmer control to the black lead from the fuse at the junction box.
- Turn ON supply power and check operation.

*Table*

<b>Voltage Reading (VAC)</b>	<b>Connect White Neutral" to Transformer:</b>
117.0 or lower	Yellow Lead
117.1 to 123.0	Orange Lead
123.1 or higher	Red Lead