



## INSTALLATION INSTRUCTIONS

### MODEL SG10-RG (INCANDESCENT LAMPS) and MODEL SG10-RG-LED (LED LAMPS) STOP & GO COMMUNICATION LIGHTS



#### MODEL: SG10 and SG10B (Black Housing)

The SG10 contains no internal logic or flashing circuitry. The lamps operate when the user provides the correct power. The SG10 can be powered independently or in combination with other SG products.

#### CAUTION:

- SG10's with **incandescent lamps** require a **flashing power supply** to avoid heat damage to the lens.
- All **LED** models may operate in either steady burn or flashing modes.

#### INSTALLATION:

- 1) Choose location within convenient distance of your power source that is clearly visible to users. The power connection can be made either through the underside of the housing by removing the plug and using the ½” EMT fitting provided, or through the back plate. The EMT fitting may be employed on the back panel as well.
- 2) Using the housing as a template, drill four (4) holes. If you are mounting to a brick or masonry wall, we recommend sizing the holes to accept ¼” diameter lag-type mounting hardware. For mounting to a surface with access to the rear you may use appropriate fasteners and size the holes accordingly.
- 3) Use the gasket provided when mounting the unit to the wall to seal the back plate.

#### VOLTAGE REQUIREMENTS:

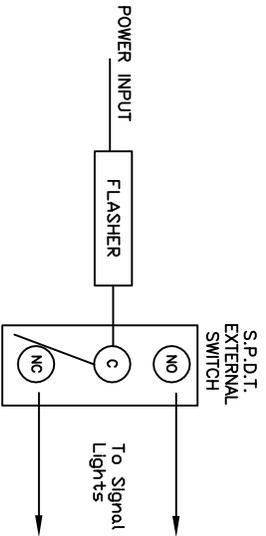
- **INCANDESCENT Models:** Provide suitable AC or DC voltage: **CAUTION: USE A FLASHER**
- **LED Models:** Provide **ONLY** DC power to 12 and 24-volt units. **Important Note:** The 24 volt LED models require careful control of the DC input voltages if generated from AC power sources. Carefully measure “rectifying modules” that turn ac signals into dc signals and adjust the input ac voltages to insure the dc voltages **do not exceed a peak of 26.4 VDC**.
- Provide 110-120 VAC **ONLY** to 115-volt model.

#### Replacement Parts List

Part #	Incandescent Lamp Models	Part #	LED Models
203011	Red lens w/ housing	A16115R	Red signal assembly, 115 VAC
203012	Green lens w/ housing	A16115G	Green signal assembly, 115 VAC
420705	Lamp, type 25T7, 120 V.	A1612R	Red signal assembly, 12 VDC
420336	Lamp, type 1156, 12 V	A1612G	Green signal assembly, 12 VDC
423036	Lamp, type 2023, 24 V	A1624R	Red signal assembly, 24 VDC
533004	Lamp harness, 120 VAC	A1624G	Green signal assembly, 24 VDC
533003	Lamp harness, 12/24 VDC	813008*	Wall Gasket
203014T*	Yellow Housing, with rear panel	533030*	Flasher, 120 VAC <i>available separately</i>
203107T*	Black Housing, with rear panel	163295T*	Flasher, 24 VDC- <i>available separately</i>
410403*	½” EMT fitting	163296T*	Flasher, 12 VDC- <i>available separately</i>
			*Applies to all models



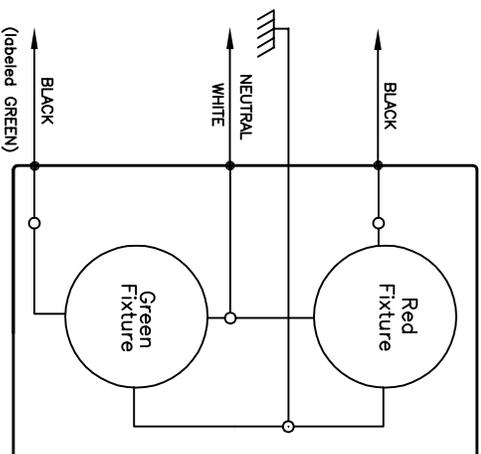
Customer supplied



Suggested arrangement for external control:  
Use NO (Normally Open) or NC (Normally Closed) switch contacts to control RED & GREEN signals as desired. The switch may be activated by external conditions as required.

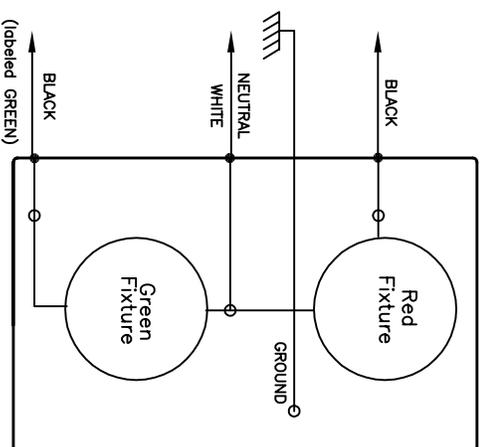
120 VAC MODELS

SG10(B)-115RG  
(Stand Alone Drone Unit)  
with Incandescent Lamps



Model SG10-115RG MUST be used with a flasher or overheating will occur.

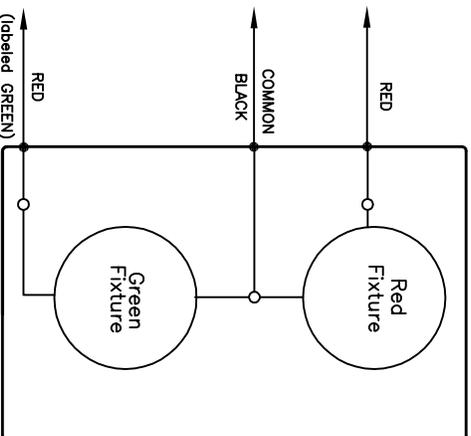
SG10(B)-115RG-LED  
(Stand Alone Drone Unit)  
with LED Lamps



Model SG10-115RG-LED may be used with or without a flasher.

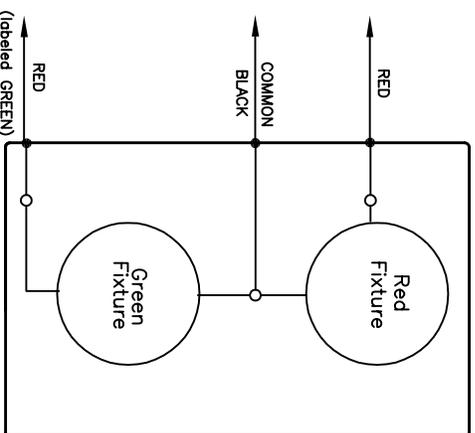
12 and 24 VDC MODELS

SG10(B)-12RG  
SG10-24RG  
(Stand Alone Drone Units)  
with Incandescent Lamps



Model SG10-12RG or -24RG MUST be used with a flasher or overheating will occur.

SG10(B)-12RG-LED  
SG10-24RG-LED  
(Stand Alone Drone Units)  
with LED Lamps



LED Models may be used with or without a flasher.  
DO NOT EXCEED peak voltages of 26.4 VDC for 24 v. LED models