



Installation Instructions

Sync Circuit (PN: 00-8120)



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Approval	Name	Intent	
Author	Jennifer Blanchfield	Installation and operation instructions for the Sync Circuit	
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REVISION RECORD

Rev	Description	Date	Author
F	Updated Logo; added P65 warning	01/06/2025	J. Blanchfield
E	Wiring correction, remove quad light installatoin	8/27/2024	J. Savino
D	Updated Logo images	3/14/2024	J. Blanchfield
C	Image updates	09/23/2020	J. Blanchfield
B	Instruction, Image, and Diagram updates	07/17/2020	J. Blanchfield
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TABLE OF CONTENTS

1	System Description	4
2	Model Number	4
3	Installation.....	4
3.1	Functionality	4
3.2	Dual Light Installation	4
4	Wiring Diagrams	5
4.1	Wiring Diagram for Dual Lights with Pulse	5

1 System Description

The Sync Circuit is used to synchronize pulse features when using multiple lights, this becomes especially important when lights are in close proximity. This circuit can be used to increase visibility of lights by creating synchronized flashing. It is for use between any two wigwag lights to increase safety via visibility.

2 Model Number

Part Number	Description
00-8120	Synchronizer Circuit

3 Installation

This document is for multiple light installations that have built-in recognition function where synchronized flashing (Pulse) is desired over alternating flash (WigWag).

3.1 Functionality

1. Synchronizer Circuit is to be wired between multiple lights that have integrated Wig-Wag functionality
2. Synchronizer circuit will enable lights to pulse in unison, rather than alternating between pairs

3.2 Dual Light Installation

1. Connect Black wire from synchronizer circuit to aircrafts ground bus
2. Connect Green wire from one light to Blue wire of synchronizer circuit
3. Cap and stow unused blue and green wires

⚠ WARNING: This product can expose you to chemicals including Methylene Chloride which is known to the State of California to cause cancer, and Bisphenol A, which is known to the State of California to cause birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov

4 Wiring Diagrams

4.1 Wiring Diagram for Dual Lights with Pulse

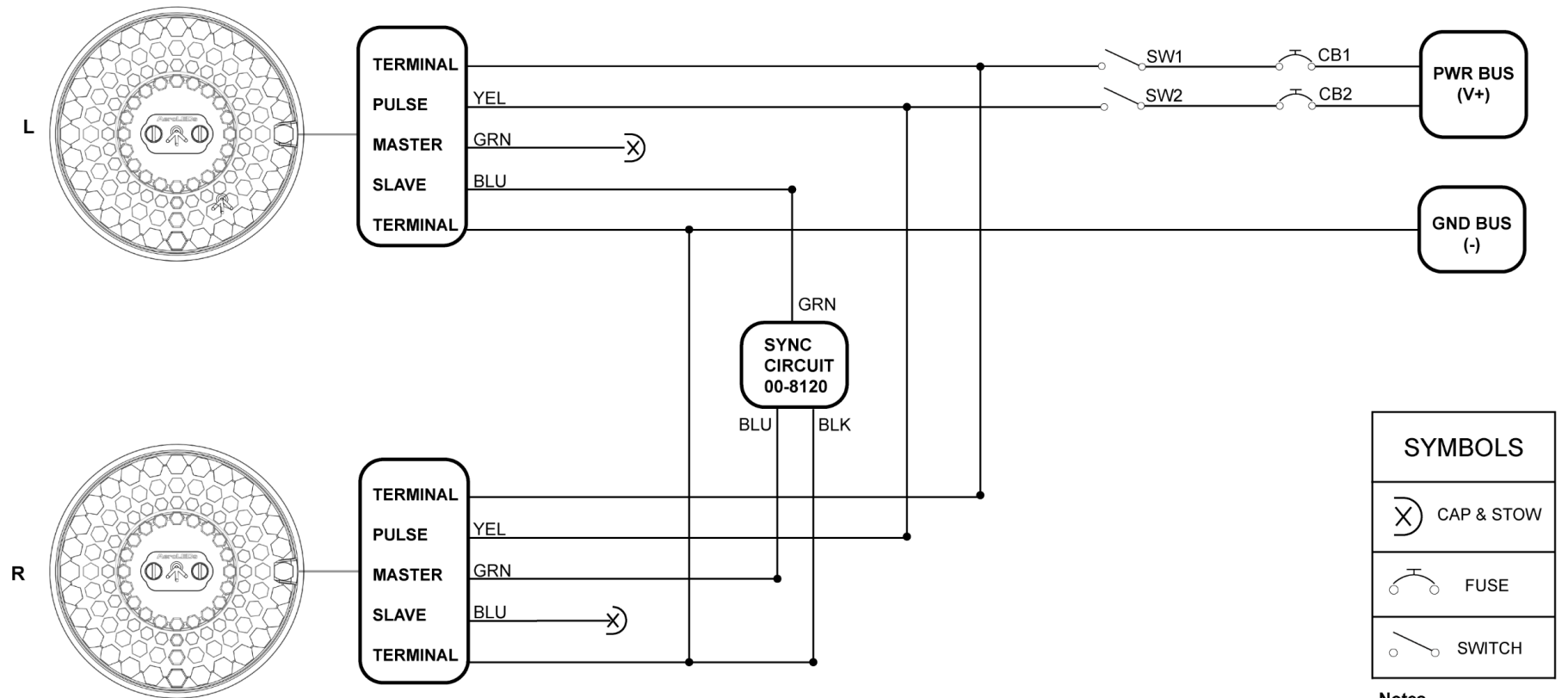


Figure 4-1