
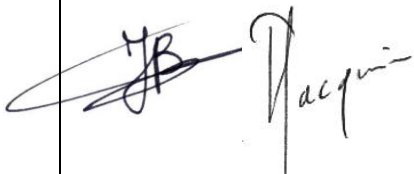





## INTERFACE CONTROL DOCUMENT

# POWER UNIT SUPPLY FOR XENON ANTICOLLISION LIGHT

**P/N : 6442802**

<b>Diffusion</b>	<b>Interne à JPC</b>			<b>Externe à JPC</b>	
	1 ex →			1 ex → All customers	
<b>Version</b>	<b>Document</b>	<b>Issue.</b>	<b>Date</b>	<b>Last evolution</b>	
	644 28 02 ICD 01	1	17/02/2021		
<b>Visas</b>	<b>Author : Pierre JACQUIER</b>		<b>Technical : Julien Bonneau / Pierre Jacquier</b>		<b>Approbation : Christian Escoto</b>
					 SAS au capital de 142800€ <b>Aérodrome Dijon-Darois</b> <b>21121 DAROIS FRANCE</b> <small>Circonscription 026 - 338-00020</small> TVA: FR 73 334 625 738



## GLOSSARY

<b>1</b>	<b>General</b>	<b>4</b>
1.1	Generalities	4
1.2	Destination	4
1.3	Description	4
<b>2</b>	<b>Physical, electrical and optical features</b>	<b>5</b>
2.1	Physical features	5
2.2	Operating temperature	5
<b>3</b>	<b>Network</b>	<b>6</b>
3.1	Electrical interface	7
3.2	Electrical power supply	7
3.3	Mechanical interface	8
<b>4</b>	<b>Annexes</b>	<b>9</b>
	2D Drawing	9

## **1 General**

### **1.1 Generalities**

This document defines the electrical, mechanical and thermal interfaces for “Power Unit Supply” P/N 644 28 02.

### **1.2 Destination**

Anti-collision light system for light aircraft.

### **1.3 Description**

The electronic system includes the voltage regulation, the flashing command and EMI/EMC protections.  
This design offers an extremely high reliability, a high resistance to shocks and vibration.

## 2 Physical, electrical and optical features

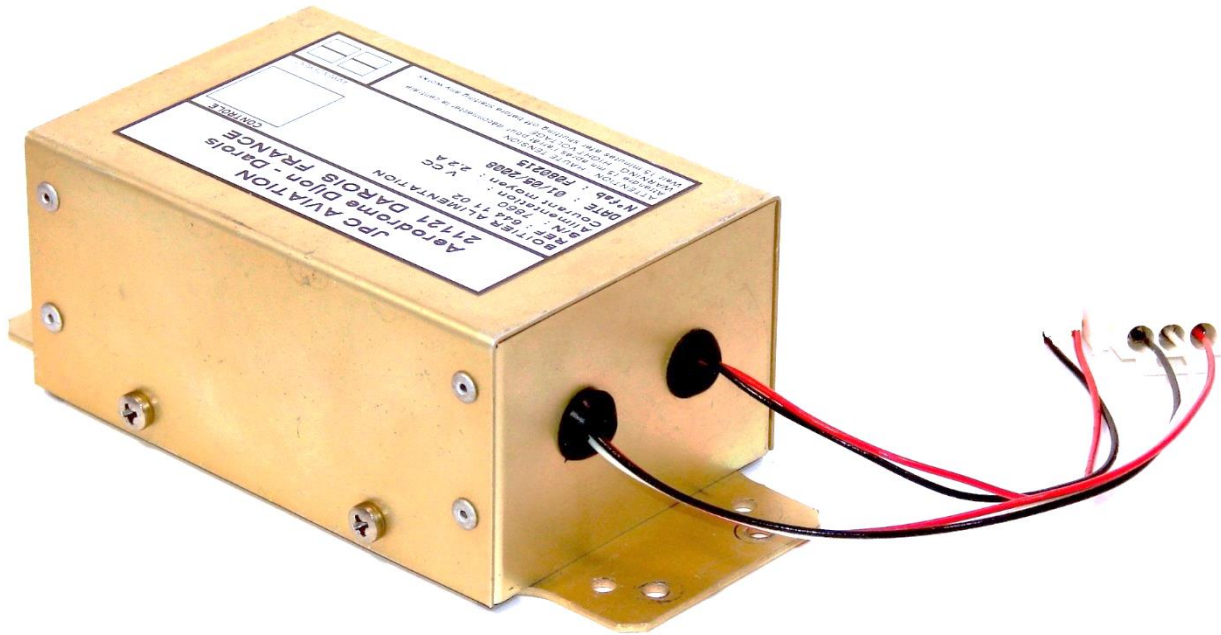
### 2.1 Physical features

- Individual weight : 400 grs (0.9 pound)
- Dimensions : see 2D drawing in annex
- Envelope color : Aluminum with alodine A1200 protection

### 2.2 Operating temperature

- Positive temperature : +70°C
- Negative temperature : - 45°C

### 3 Network



### 3.1 *Electrical interface*

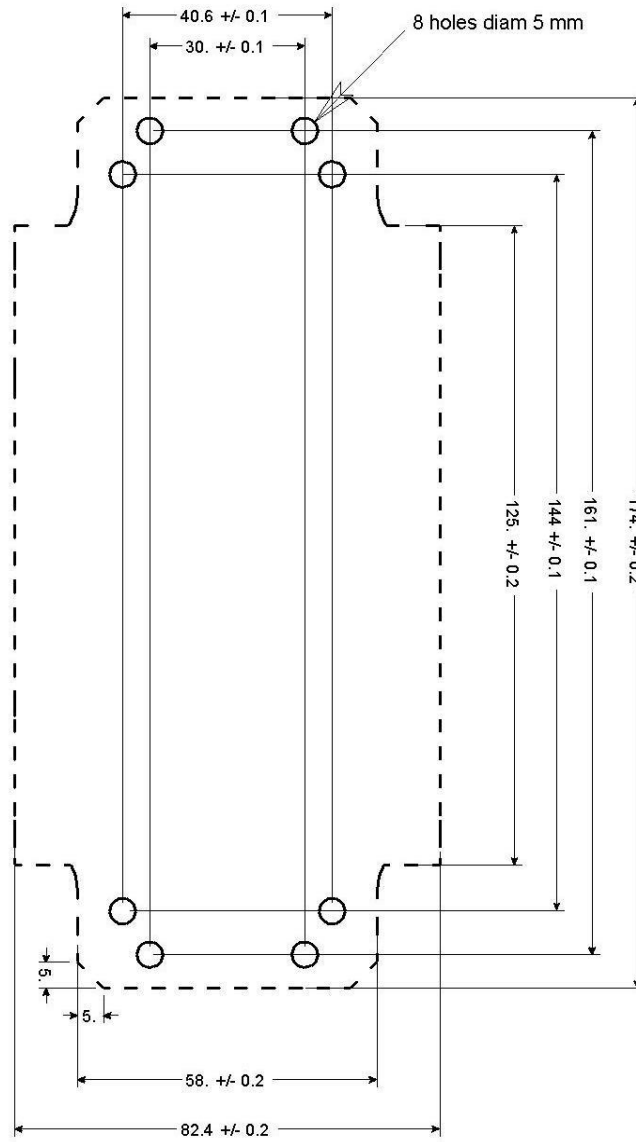
**Input:** 2 X free end G22 wires  
RED = + V  
BLACK = GND

**Output:** 3 X G22 wires + AMP connector 1-480-700-0  
RED = + HIGH VOLTAGE  
WHITE = excit  
BLACK = - HIGH VOLTAGE

### 3.2 *Electrical power supply*

Supply Voltage : 28 VDC  
Power : 28W  
Output voltage : 300 V (+/- 5%)  
Rating : 0.7 Hz

3.3 Mechanical interface





### 4 Annexes

#### 2D Drawing

