

### 1.1 Scope

This short notice provides information about the GPS interface for wireless synchronization located inside dual color or white only medium intensity OFI360 obstruction lights

### 1.2 General Description

The GPS is a PCB provided with a bracket fixed inside the flashhead and an external magnet antenna fixed on the base of the flashhead:



### 1.2 Electrical signals

It is powered in 48VDC and provides output signal(s) to the command card for the flash synchronisation (and in option the change of color and/or luminous intensity during day/night switch using either the GPS clock or a photocensor connected on it)

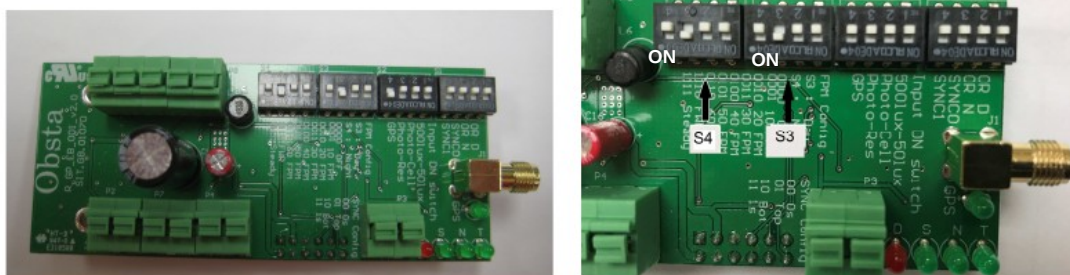
#### 1.2.1 Input signal(s):

- 48Vdc power supply
- day/night signal coming from the 48Vc photocell (in case the flash rate need to be changed between day and night) or coming from a photocensor (this interface can also use the GPS clock to monitor the day/night switch)

#### 1.2.2 Output signal(s):

- top sync
- if used, day/night signal : 0V->day mode, 48Vdc->night mode

### 1.3 Operation



- the green led (**GPS**) blinks: the GPS receives the signal
- the red led (**D**) and the green led (**S**) blink: the GPS is not synchronized and sends a top sync to the command card at 15 flashes per minute, if used day/night signal remains at "night time"
- the green led (**S**) blinks: The GPS is synchronized in day mode and sends a top sync to the command card as per S3 configuration (20 fl per minute in the photo)
- the green led (**S**) blinks and the leds (**N**) & (**T**) are on: the GPS is synchronized in night mode and sends a top sync to the command card as per S4 (20 fl per minute in the photo)

S3 and S4 coding:

- 0010 -> 20 flashes per minute
- 0011 -> 30 flashes per minute
- 0100 -> 40 flashes per minute
- 0101 -> 50 flashes per minute
- 0110 -> 60 flashes per minute

