



VARIABLE LANDING LIGHT CONTROL UNIT

VPRP/VPRG

◆ GENERAL

The function of the Control Unit (VPRG, VPRP) is to vary the light intensity of an helicopter landing light between zero and about fifty percent of its maximal value. So it gives the pilot the capability to reach the needed illumination by night during adverse weather (smoke, fog...) or pilot night goggles. Control is performed by means of manual external elements.

The VPRG unit (NSN : 6220-14-4056287) is designed to be used with the Gazelle helicopter (SA 342). Its output power can be adjusted between 0 and 180 W via one remote control.

The VPRP unit (NSN : 6220-14-4056286) is designed to be used with the Puma helicopter (SA 330). Its output power can be adjusted between 0 and 280 W via one or two remote control elements.

◆ DESCRIPTION

The control unit consists of (see figure after) :

- a case,
- one (or two) control element,

The rectangular case fitted with an attaching plate.

The following elements are fitted on the unit external faces :

- one connector to the power source and to the landing light, one connector to the control element,
- protection fuse (10 A for the VPRG, 16 A for the VPRP).

Internally, the control unit accommodates the Generator and Power modules.

The control element (one or two) consists of the power switch and of the landing light control potentiometer.

With the option of electronic variator unit (CVPR - NSN : 5930-14-4450179), the control element consists of the power switch and the three positions switch (a stable center position and two fugitive action positions).



Non contractual document – SEFTIM may change technical characteristics due to permanent improvement policy.



◆ CHARACTERISTICS

• Physical characteristics

- Dimensions (H x W x D): 76 x 96 x 159 mm
- Weight : 1060 g

• Electrical characteristics

- Supply voltage : 24 - 32 V
- Off-load consumption : < 100 mA

• Climatic characteristics

- Operating temperature range :- 40°C to + 55°C
- Storage temperature range : - 45°C to + 70°C

• Performances

- Output power : up to 180 W (VPRG)
up to 280 W (VPRP)
- Efficiency : > 75 %
- Ripple : ≤ 280 mW

• Option : CVPR unit

- Dimensions (H x W x D):
52,5 x 173,5 x 123 mm
- Weight : 590 g