

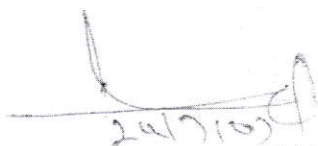
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CERTIFICATE

Certified that the specification No. OFPM/R&D/SP/MPV/
FLAME SENSOR (Specification of Flame Sensor for MPV)
contains 02 pages and they have been serially numbered
as page No: 1 and page No.: 2.


B.P. BABU
JOINT GENERAL MANAGER
ORDNANCE FACTORY, MEDAK

SECRET

/ J26079

(10)

SPECIFICATION NO. OF PMP/R&D/SP/MPV/FLAME SENSOR

SPECIFICATION OF FLAME SENSOR FOR MPV

(Page No. - 1)

1 SCOPE:

Flame sensor will be used in special type automobile vehicle. Flame sensor has to detect quickly the ultraviolet rays contained in flames and to activate an audible built in alarm or bell sound to take necessary preventive action against the flame.

It should be compact in design enables to be installed at any location inside the vehicle body to ceiling or side walls and it should be light in weight. It should be in easy for installation and maintenance.

2 TECHNICAL DESCRIPTION OF FLAME SENSOR :

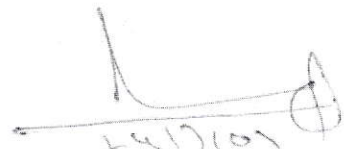
- a) Detection System : Ultra violet rays detection
Detected wave length : 180 to 260 nm.
- b) Detection distance : 8 ± 1 meters. (60±10mm lighter flame, in front)
- c) Detection timer : Change over switch in 3 steps between 0.2 secs to 6 secs time.
- d) Power supply : 1. Alkaline batteries of 3V.
2. External power supply 24 VDC with polarity.
- e) Ambient temp. range : -10°C to $+50^{\circ}\text{C}$.
- f) LED : Indication - Red LED.
Alarm - Flashing every 0.2 to 0.4 secs.
during off delay approx. 10secs.
- g) Buzzer : Alarm : sounds intermittently every 0.2 to 0.4 secs.
During off - delay 10secs. (apprx.)
Volume : 80 dB min. at 1mt ahead.
- h) Outer sizes (LxWxH) : $120 \pm 10\text{mm} \times 120 \pm 10\text{mm} \times 40 \pm 10\text{mm}$
- i) Colour : Olive green / White / Cream
- j) Accessories : Necessary mounting items, switches etc.,
Necessary electrical terminals to connect with external harness.
Necessary batteries

INSPECTION:

GM / OFPM or his authorized representative at OFMK. The inspector will inspect points b, c, d, g, h, j. The inspector will check all (100%) the items.

NOTE:

1. Supplier has to submit the details of technical specification / leaflet / manual of their product along with quotation.
2. Supplier has to supply pilot sample and to take approval before bulk clearance.
3. All the items shall be identical and same colour in the supplied lot as per Specification.


(B.P. BABU)
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