

SPECIFICATION NO.: OFPM / SP/ R&D / AVWD / MPV (ARMY) / 11

(Dt. 29-03-08)

SPECIFICATION FOR AUDIO VISUAL WARNING DEVICE SYSTEM
FOR MPV (ARMY VERSION)

3) Pressure Sending unit / Pressure Sensor :

This unit is of stainless steel body and should work at an extended temperature range of -40°C to 125°C . this unit has to be activate when the pressure of engine oil drops below the safe engine oil pressure.

4) Audio indication unit :

This unit should have the Buzzer of very high grade to make high sound output, when crossing the safe range, of engine coolant temperature or low engine oil pressure while the vehicle is running and Audio Visual indicator is activated.

5) Stop sound switch :

A push button to be provided on the control panel to shut-off the audio signal for 60 ± 5 Sec. approx. whenever required.

6) Technical requirements :

- a) The device should work at vehicle normal power range of 24V, DC. However the device should work between the power range of 18V, DC to 32V, DC input voltage.
- b) Safe engine coolant temperature - $100^{\circ} \pm 2^{\circ}\text{C}$.
- c) Safe engine oil pressure : 3 bar (3.06 kg/cm²).
- d) Pressure switch is Normal Open (NO) type.
- e) Polarity at the switching end is positive.
- f) Temperature sensor probe size : M16x1.5, length - 50mm.
- g) The stop sound facility to be provided with a preset timer function of approx. 60 ± 5 seconds, in case of audio alarm is not required.
- h) The maximum size of the unit : $\varnothing 75 \pm 1\text{mm}$.
- i) Cables : Braided high temperature cables

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