DATA SHEET

SPECIFICATIONS

OPTICAL FIRE SENSING ASSEMBLY (OFSA)

U.S. ARMY P/N: 19207ASSY12314282-1

SPECIFICATION: 19207-ATPD 2070 Edition 6, Rev. A and MIL-S-62546A (AT)

POWER: 28 VDC PER MIL-STD 1275

OUTPUTS: SMALL FIRE SIGNAL
LARGE FIRE SIGNAL
COMPATIBLE WITH STANDARD CONTROL ELECTRONICS AMPLIFIER (SCEA), U.S. ARMY P/N 19207ASSY12314288

FINISH: WHITE PER FED-STD 595

WEIGHT: 0.6 LBS.

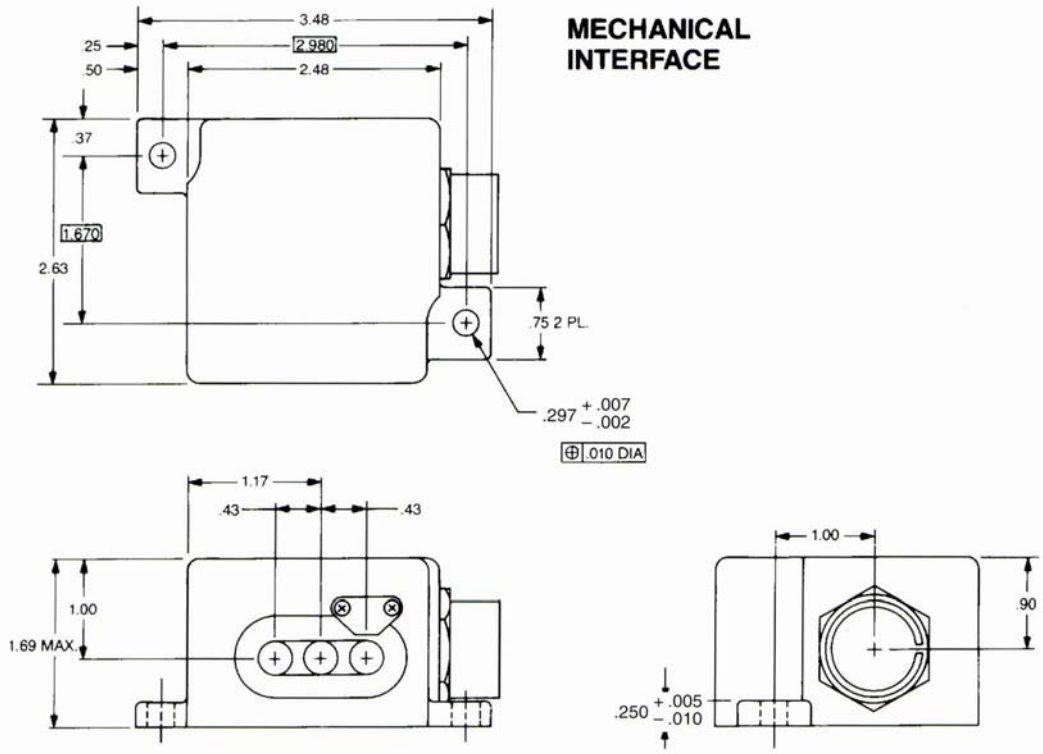
NOTE: HIS SENSOR IS ALSO COMPATIBLE WITH OTHER SPECIAL TO PURPOSE CONTROL UNITS.

DESCRIPTION

This unit is an infrared (IR) sensing device with two narrow band sensors and a wide band thermopile.The processing and integration of the signals from the sensors insures that the OFSA only transmits signals when a fuel or hydro-carbon fire is sensed. The unit inhibits signals that are received from false stimuli such as lamps, electrical discharge, sunlight, and what is of utmost importance, flash from penetrating munitions and pyrolized armor plate. Built-In Test Equipment (BITE) signals, as commanded by a Standard Control Electronics Amplifier (SCEA), are used to excite built-in IR emitters and automatic-ally tests the functional operation of the unit.These detectors can operate in the high temperature environment associated with engine compartments, standardizing sensors for both crew and engine systems. The unit has been tested and proven during rough terrain test of military tracked vehicles and has been successfully operated through a long series of ballistic firing test.

OUTLINE DETAILS

MECHANICAL INTERFACE



ELECTRICAL INTERFACE

MS 3474W-12-8PN

CONN PIN	FUNCTION
A	POWER
B	RETURN
C	LARGE FIRE SIGNAL
D	SMALL FIRE SIGNAL
E	BUILT IN TEST
F	
G	
H	