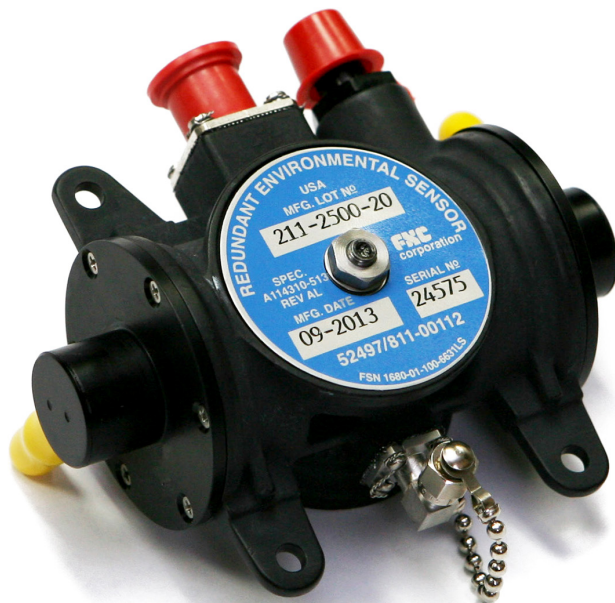
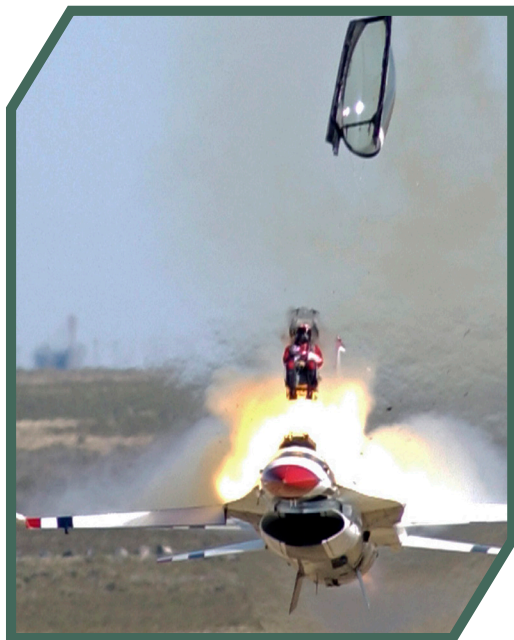


ENVIRONMENTAL SENSORS FOR ADVANCED EJECTION SEAT SYSTEMS



OPERATION – ELECTRO MECHANICAL

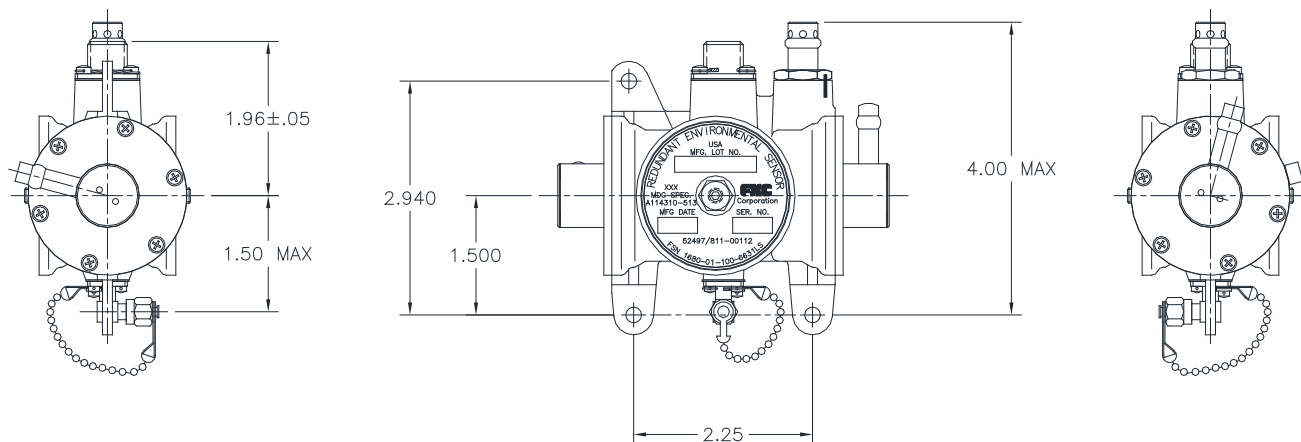


ENVIRONMENTAL SENSOR (ELECTRICAL) FOR ACES II EJECTION SEAT USED ON A-10, F-15, F-16, B-1, B-2 AIRCRAFT

PART NO. 811-00112 NSN 1680-01-100-6631 LS

In an emergency situation during the pilot escape initiation, the seat moves up the rails leaving the aircraft. Pitots on the top of the seat near the parachute container are exposed to the airstream. Pitot and Static pressure inputs to the environmental sensing unit act on the speed and altitude transducers to establish the safest mode for the pilot involved, based on the speed and altitude environment. The recovery sequencer monitors the condition in 1 /300 sec.

SENSING UNIT, ENVIRONMENTAL, SPEED & ALTITUDE, FULLY REDUNDANT



ORDERING INFORMATION

PART NO.	DESCRIPTION	NSN STOCK NO.
811-00112	F-16, F-15	1680-01-100-6631
811-00112-1	B-1B	1680-01-224-5696
811-00112-2	B-2	1680-01-385-3630
811-00148	TTU-415/E	4920-01-139-2801
811-00193	CALIBRATION KIT	4920-01-165-9239
811-00215	ALTITUDE CHAMBER	6636-01-203-4193



ENVIRONMENTAL TEST SET TTU-415/E

The TTU-415/E Test set is designed to test environmental sensors and automatically and evaluate their functional condition. (The calibration kit and altitude chamber not shown.)