

ERJ 145

APU CONTROL PANEL

NOT FOR REAL WORLD USE!



GENERAL

The APU is the source of pneumatic and electrical power when the plane is on the ground or in flight. It is a constant speed gas turbine engine.

The APU controlled by the Electronic Sequence Unit (ESU) which provide automatic control from start to full load operation.

The APU is located in the plane's tailcone isolated by a titanium firewall.

The fuel is provided from the right wingtank so it is necessary to start the corresponding fuel pump in order to start the APU.

APU STARTING OPERATION

The APU starting cycle is initiated by moving the APU Master Knob to its START position. At the same time DC power is applied to the start generator which will drive the APU generator until combustion.

Pressing the APU Stop button can shut down the APU

APU Control Panel



1 APU master knob

OFF – Deenergizes the ESU, closes the APU fuel shutoff valve and turns the APU indications and alarms when APU RPM is below 10%

ON – Energizes the ESU and opens the fuel shutoff valve, enables the indications and alarms on the EICAS and let the APU running after starting.

START – Initiates the start cycle.

2 APU stop button

Turns the APU off.

3 APU fuel shutoff button (right click to open the guard)

Turns off the fuel flow to the APU

An illuminated striped bar inside the button indicates when pressed