

Flight Control Products & Systems

**SYSTEM
THIRTYALT & 60 PSS**

Stand Alone Pitch Axis Autopilot Systems – Altitude, Vertical Speed and GS Coupling (System 60 PSS), or Altitude Hold Only (System ThirtyALT).

System ThirtyALT



Compact, panel-mounted On/Off switch; smoothly holds existing altitude when engaged.

Annunciates out-of-trim condition when Altitude Hold engaged (as shown, advising pilot to adjust pitch trim downward).

Both systems can be installed as stand-alone pitch axis autopilots, and can complement *any brand* of existing roll-axis autopilot. The systems are not dependent on aircraft altimeter or attitude gyro; inputs derived from systems' solid state absolute pressure transducer and an accelerometer. Photos of both systems shown approximately actual size.

When TRIM is lit, system is annunciating an out-of-trim condition, and UP/DN buttons will indicate direction to adjust pitch trim.

System 60 PSS



Off Switch to disable autopilot (A/P activated by pressing VS or ALT functions).

VS – vertical speed; holds existing vertical speed when engaged. ALT – altitude hold; holds existing altitude when engaged. GS – indicates glideslope coupling armed and/or active

UP/DN buttons used to command vertical speed changes; 160 FPM change for each second button depressed. In Altitude Hold mode (ALT), buttons trim altitude by 20' of altitude for each second button depressed.

System ThirtyALT Features/Functions

- Compact, panel mounted engagement switch.
- Remote mounted pitch computer and absolute pressure transducer.

Options

- Control Wheel Mounted Engage/Disengage Switch
- Manual Electric Trim

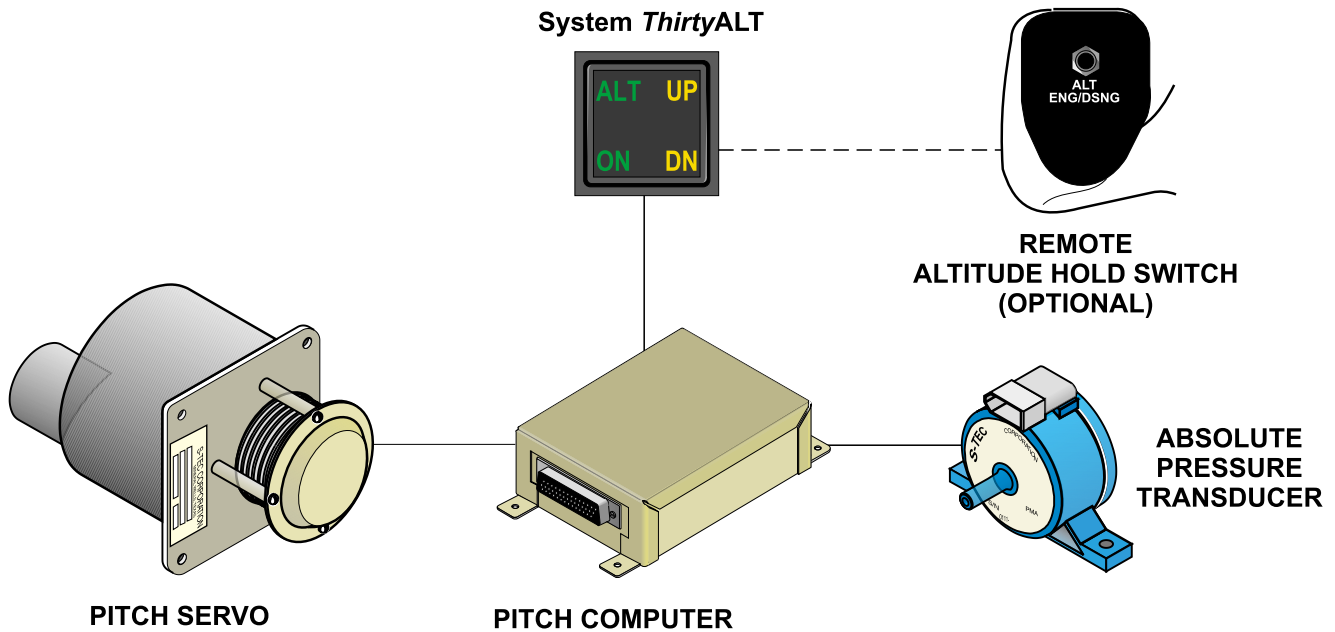
System 60 PSS Features/Functions

- Panel mounted Programmer/Mode Selector.
- Remote mounted pitch computer and absolute pressure transducer.
- Automatic pitch synchronization at engagement.

Options

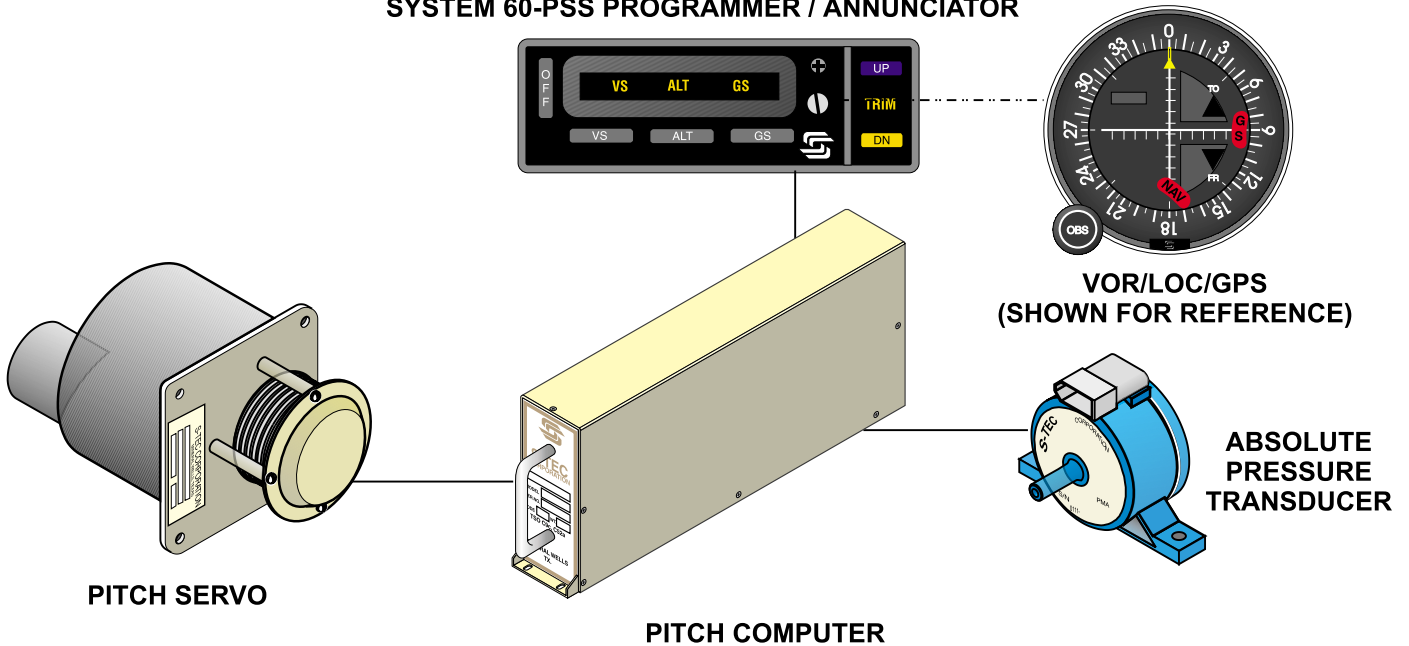
- Automatic Electric Pitch Trim (where STC'd).
- Altitude Selector/Alerter

SYSTEM THIRTYALT



SYSTEM 60 PSS

SYSTEM 60-PSS PROGRAMMER / ANNUNCIATOR



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