

Flight Control Products & Systems

System 60-2 Full-function Two-Axis Flight Control Systems

The System 60-2 is a high-performance, 2-axis (roll & pitch) autopilot with panel-mounted, 3 ATI-sized mode selector/programmer and annunciator, and roll & pitch computers.

HDG (heading) mode – heading pre-select and hold*. When HDG & NAV activated simultaneously, enables Dual Mode Intercept – autopilot operates in heading mode to automatically intercept and track selected course or localizer; at which point HDG extinguishes.

Pitch modes include: VS, indicating vertical speed control has been selected, up or down; ALT, indicating altitude hold is engaged, capturing existing altitude when activated; and GS, indicating glide slope coupling is armed and/or active.

Mode selector buttons for HDG (heading*), NAV (tracking VOR/GPS enroute), REV (LOC backcourse), VS (vertical speed) command, and ALT (altitude) hold.

Annunciations for RDY mode (autopilot ready), FD (flight director) active, and REV (LOC backcourse) mode selected.



NAV (coupled navigation) mode – automatic intercept and tracking of enroute NAV signals (VOR/GPS). Intercept and gain levels annunciated by CAP and SOFT; CAP indicates course capture and initiation of tracking gain program, and SOFT indicates lower, less sensitive gain for enroute tracking and smooth station passage. 3-level gain selection for NAV mode is automatic. When APR is lit (simultaneous with NAV), indicates high gain localizer mode for high sensitivity coupled approach. Flashing NAV or REV annunciates course deviation of 50% or more.

UP / DOWN Multi-function lighted buttons. Annunciates out-of-pitch-trim condition when TRIM illuminated; buttons command vertical speed changes when VS activated. Altitude can be modified (trimmed) in increments using the UP/DOWN command buttons, when altitude hold is engaged.

Features/Functions

- 3 ATI Panel Mounted
- Heading Preselect & Hold
- Altitude Hold with Altitude Trim
- Course Intercept Capability
 - NAV Mode
 - Dual Mode – HDG/NAV
- VOR/LOC/GS/REV/GPS Coupling with Automatic Gain Levels
- VOR/LOC/GS/REV/GPS Course Deviation and NAV Flag Warning

- Vertical Speed Command
- Pitch Trim Annunciation

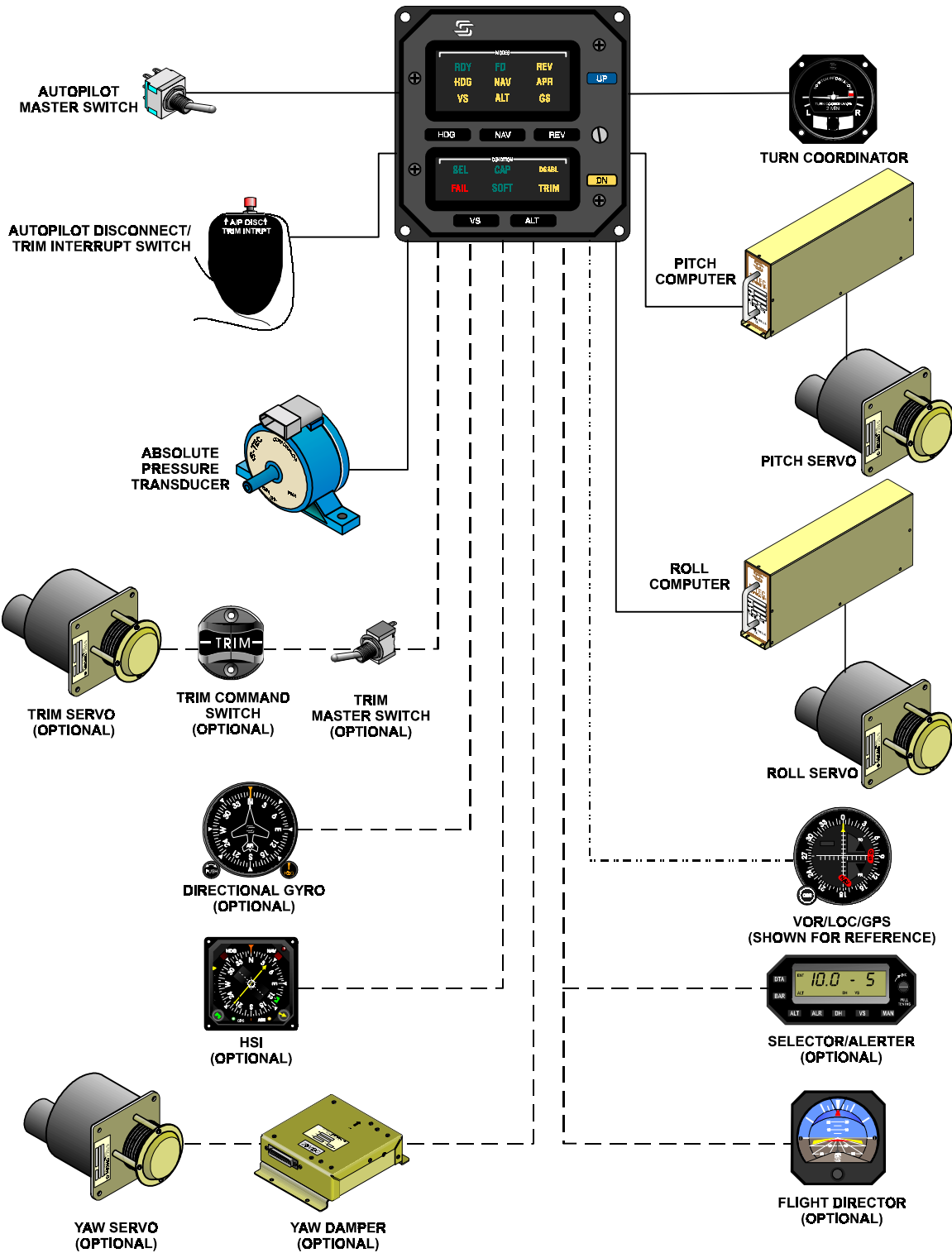
Options

- Directional Gyro with Heading Bug, Vacuum Driven
- ST-180 HSI Slaved Compass System
- ST-361 Single Cue Flight Director
- ST-360 Altitude Selector/Alerter System
- Automatic or Manual Electric Trim (where STC'd)
- Yaw Damper (where STC'd)

**Operational if heading system (e.g., DG with heading bug) is installed and active.*

SYSTEM 60-2

SYSTEM 60-2 PROGRAMMER / ANNUNCIATOR



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