

INSTALLATION BULLETIN 120

1 August, 2005

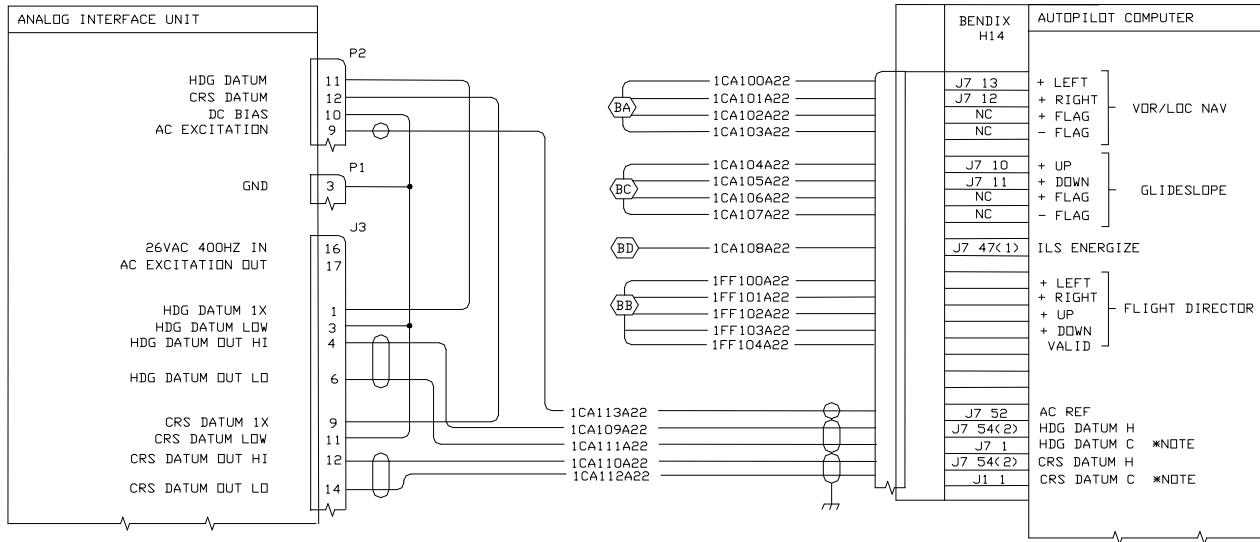
Subject: This Installation Bulletin describes programming and interface between the Analog Interface Unit (AIU-1) and a Bendix H14 autopilot operating at 400Hz AC datum.

AIU configuration is as follows:

DIP Switch #1	UP
DIP Switch #2	DOWN
DIP Switch #3	UP
DIP Switch #4	UP
DIP Switch #5	DOWN
DIP Switch #6	UP
DIP Switch #7	UP
DIP Switch #8	DOWN
DIP Switch #9	UP
Slide Switch SW1	RIGHT
Autopilot Heading Scaling Factor	2700
Autopilot Heading Polarity	Positive: RIGHT
Autopilot Course Scaling Factor	2700
Autopilot Course Polarity	Positive: RIGHT
Autopilot Scaling Mode	SINE
Horizontal Flight Director Scaling Factor	N/A
Horizontal Flight Director Polarity	N/A
Vertical Flight Director Scaling Factor	N/A
Vertical Flight Director Polarity	N/A
Flight Director Valid Flag	N/A
Tap Transformer	X1

The Heading and Course Datum Scaling Factors contained in the table are for setup only. A flight test must be performed after completion of installation to align the AIU to the autopilot.

The AIU to Bendix H14 interface wiring should be as follows:



NOTES:

- (1) Requires connection to reverse logic converter or relay for +28VDC when valid.
- (2) Heading and Course Datum are switched through the optional external relay.
- (3) Flight Director interface is not available.
- (4) The Bendix H14 autopilot contains optional VOR/ILS and Heading/Course circuit boards.

Information contained in this Installation Bulletin will be incorporated into the next revision of the AIU Installation Manual.

Robert DuRall
 Manager, Avionic Service Dept.
 Chelton Flight Systems