

INSTALLATION BULLETIN 122

1 August, 2005

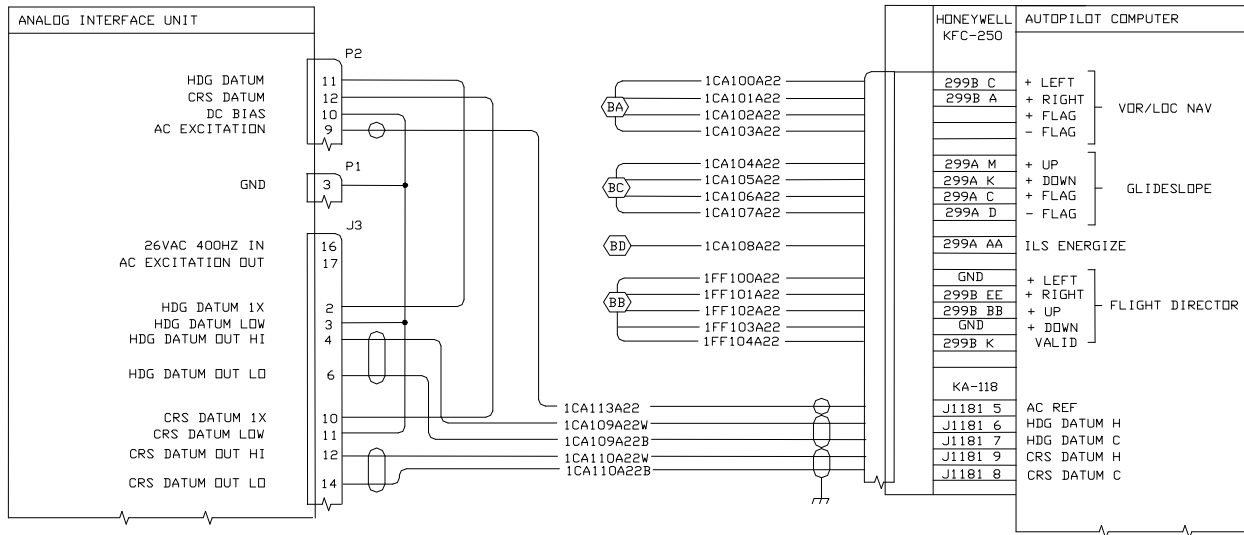
Subject: This Installation Bulletin describes programming and interface between the Analog Interface Unit (AIU-1) and a Bendix/King KFC-250 autopilot with a KA-118 adaptor operating at 400Hz AC datum.

AIU configuration is as follows:

DIP Switch #1	UP
DIP Switch #2	DOWN
DIP Switch #3	UP
DIP Switch #4	DOWN
DIP Switch #5	UP
DIP Switch #6	UP
DIP Switch #7	DOWN
DIP Switch #8	UP
DIP Switch #9	UP
Slide Switch SW1	RIGHT
Autopilot Heading Scaling Factor	2800
Autopilot Heading Polarity	Positive: RIGHT
Autopilot Course Scaling Factor	2700
Autopilot Course Polarity	Positive: RIGHT
Autopilot Scaling Mode	SINE
Horizontal Flight Director Scaling Factor	35mV
Horizontal Flight Director Polarity	+ RIGHT
Vertical Flight Director Scaling Factor	110mV
Vertical Flight Director Polarity	+ DOWN
Flight Director Valid Flag	HIGH
Tap Transformer	X2

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/King KFC-250 with a KA-118 adaptor interface wiring should be as follows:



NOTE: The KA-118 adaptor converts 10Vp-p, 400Hz AC Heading and Course Datum to DC for autopilot drive.

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

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