

INSTALLATION BULLETIN 105

February 17, 2004

Subject: This Installation Bulletin describes programming and interface between the Analog Interface Unit (AIU-1) and a S-Tec 65 Autopilot.

AIU configuration is as follows:

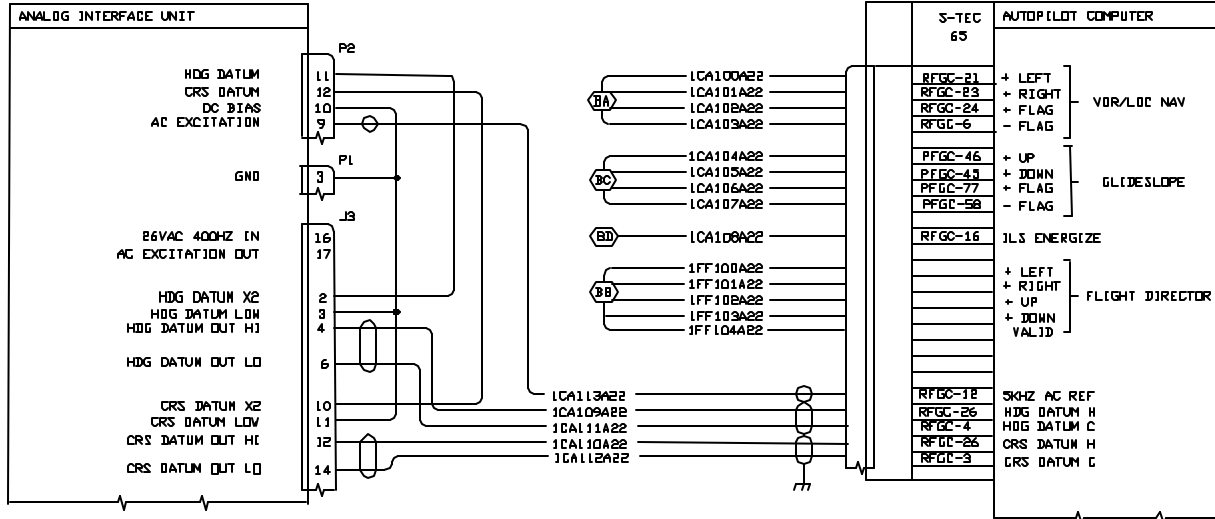
DIP Switch #1	UP
DIP Switch #2	DOWN
DIP Switch #3	DOWN
DIP Switch #4	UP
DIP Switch #5	DOWN
DIP Switch #6	UP
DIP Switch #7	UP
DIP Switch #8	UP
DIP Switch #9	UP
Slide Switch SW1	RIGHT
Autopilot Heading Scaling Factor	1000
Autopilot Heading Polarity	Positive: RIGHT
Autopilot Course Scaling Factor	1000
Autopilot Course Polarity	Positive: RIGHT
Autopilot Scaling Mode	LINEAR
Horizontal Flight Director Scaling Factor	200mV/°
Horizontal Flight Director Polarity	Positive: RIGHT
Vertical Flight Director Scaling Factor	200mV/°
Vertical Flight Director Polarity	Positive: UP
Flight Director Valid Flag	Active: HIGH
Tap Transformer	2X

300mV/Deg AC, 5KHz Heading Datum

300mV/Deg AC, 5KHz Course Datum

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 S-Tec 65 interface wiring should be as follows:



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

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