



ANNUNCIATOR	COLOR
ARM	AMBER (DEAD FRONT)
CLPD	GREEN (DEAD FRONT)

UNLESS OTHERWISE SPECIFIED, ALL DIMENSIONS ARE IN INCHES.
TOLERANCE:
FRACTIONAL= $\pm 1/64$
.XX= ± 0.015
.XXX= ± 0.005
.XXXX= ± 0.002
ANGULAR= $\pm 0.5^\circ$
CONCENTRICITY: 0.005 TIR
BREAK ALL SHARP EDGES
THREADS PER MIL-S-7742

DRAWN:
BAW
10/6/04

APPROVED:
NHK
10/6/04

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MidContinent[™]
INSTRUMENTS+AVIONICS

TITLE:
Altitude Preselect Controller

PART NUMBER:
MD41-235

SCALE: 1:1

DO NOT SCALE THIS DRAWING

SHEET: 1 of 1

Revision

ECO	Rev .	Description	Date	Approved
	A	Initial release.	10/8/04	BAW/NHK
4531	B	Alter Note 2 to reference similarity to MD41-1310.	2/8/06	BAW/JBR
4633	C	Add Note 5.	6/6/06	MCH/BAW

Logo and company name have been changed in title block only. No functional or technical changes have been made. Revision remains unchanged.

PIN DESCRIPTION

- ① AP ENGAGE (from IFCS)
- ② FD ENGAGE (from IFCS)
- ③ GS/GA (from IFCS)
- ④ ALTITUDE HOLD (from IFCS)
- ⑤ 28VDC UNIT POWER
- ⑥ ON ALTITUDE (from ADDU, 250ms LOW PULSE)
- ⑦ ALTITUDE PRESELECT ENGAGEMENT (to IFCS)
- ⑧ LAMP TEST (GROUND FOR TEST)
- ⑨ POWER GROUND

Notes:

- 1) Total input current @ 28VDC: 300 mA
- 2) The MD41-235 is a derivative to the Model MD41-13XX, which was TSO approved on 11/4/2003. Engineering analysis validates that the MD41-235 meets the requirements of DO-160D ENV. CAT. [A1F2]CAB[SUB]XXXXXXZBABAT[BM][A3C3]XX by similarity to previously approved MD41-series units to either FAA-PMA or to FAA TSO requirements.
- 3) ARM pushbutton will be backlit with internal photocell dimming.
- 4) ARM button shall engage and disengage ARM mode.
- 5) Reference template p/n 9016344 for panel cut out.