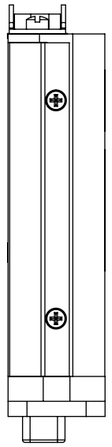
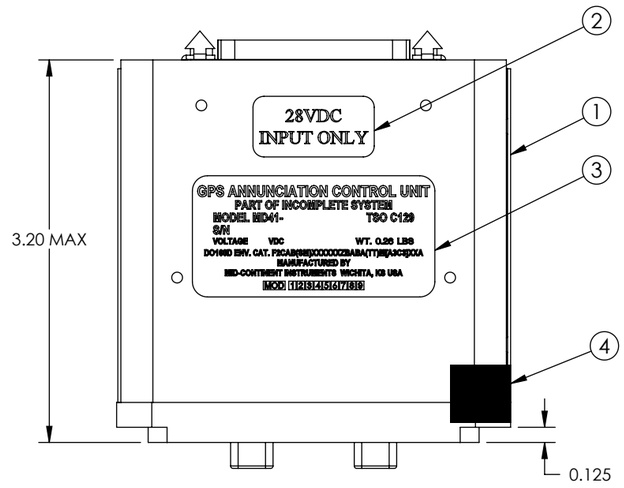
Configuration					
Dash #	Assy	Decal	Direction	Input Voltage	Lighting Voltage
-1510	9015928-15	7016942	Horizontal	28VDC	28VDC
-1511	9015928-18	7016942	Vertical	28VDC	28VDC
-1512	9015928-14	7016959	Horizontal	14VDC	14VDC
-1513	9015928-17	7016959	Vertical	14VDC	14VDC
-1514	9015928-16	7016942	Horizontal	28VDC	5VDC
-1515	9015928-19	7016942	Vertical	28VDC	5VDC

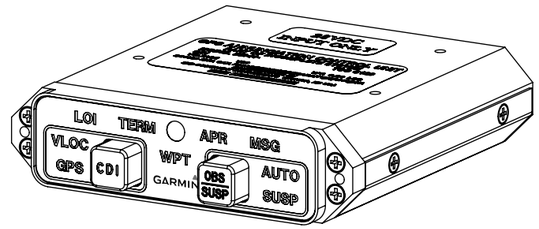
Revision				
ECO	Rev.	Description	Date	Approved
	A	Production release.	12/27/10	MKN/BAW
5562	B	Env. Qual. changed from ...(SM)... to ...(SM/UG)...	03/01/11	MKN/CJM

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

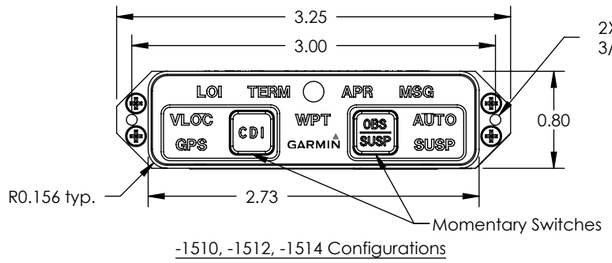




-1510 Configuration Shown



-1511, -1513, -1515 Configurations



-1510, -1512, -1514 Configurations

Connector Pinout			
Pin #		Pin #	
1	Annun. GPS input	14	Reserved
2	Annun. VLOC input	15	Reserved
3	Annun. TERM input	16	Reserved
4	CDI Switch output	17	Reserved
5	Bright/Dim Button Backlight Input (See Config. Lighting)	18	Reserved
6	Annun. Bright/Dim Input	19	Reserved
7	Light Test	20	Annun. LOI input
8	Annun. WPT input	21	Reserved
9	Annun. APR input	22	Reserved
10	Annun. MSG input	23	Annun. Bright/Dim Output
11	OBS Input	24	Annun. SUSP input
12	OBS/SUSP Switch output	25	Ground
13	Aircraft Power (+14V/+28V)		

Specifications	
Power Input	14 or 28VDC, 0.20 Amps
Lighting	LEDs; See Config. for input
Dimming	Automatic or Full Bright
Weight	0.26 lbs
Qualification Tests	FAA TSO C129
	RTCA DO-160
	Env. Cat. F2CAB(SM/UG)XXXXXXZBABA(TT)M[A3C3]XXA
Temperature	-55°C to 70°C
Altitude	0 to +55,000 ft.
Connector	MD25M5R40V30
Mating Connector	RD25F10JVL0
Color	Bezel: Black
	LOI: Amber
	APR, TERM, VLOC: Green
	AUTO, GPS, MSG, SUSP, WPT: White
	Button: Backlit White

Item	Qty	Part Number	Description
1	1	See Config.	Assy, MD41-146X, 147X, -151X
2	1	See Config.	Decal, 28 or 14VDC for MD41
3	1	9017058	Nameplate, GPS ACU
4	1	6018956	Decal, Warranty

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

DRAWN: MKN 11/5/2010

APPROVED: BAW 12/28/2010

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Mid-Continent™ INSTRUMENTS+AVIONICS

TITLE: GPS Annunciation Unit

PART NUMBER: MD41-151X

SCALE: 4:5 | DO NOT SCALE THIS DRAWING | SHEET: 1 of 1