

## LIMITS (002)

### Speed Settings:

Airspeed Scale Type: FAR 23.1545 with Vne  
Airspeed Units: Knots  
Vso = 70  
Vs = 80  
Vmc = NA  
Vx = 135  
Vy = 150  
Vyse = NA  
Va = 170  
Vfe = 132  
Vmfe = 174  
Vno = 220  
Vne = 274  
Climb Speed = 165  
Climb Mach = NA  
Glide Speed = 120  
Procedure Spd = 155

### Airspeed Scale Markings:

Low Speed Awareness (Red Arc) from 0 to 70  
Flap Operating Range (White Arc) from 70 to 132  
Normal Operating Range (Green Arc) from 80 to 220  
Caution Range (Yellow Arc) from 220 to 274  
High Speed Awareness (Red Arc) above 274  
Green Dot at 120  
White Triangle at 174

### Factory Programmed Settings:

Datalink Receiver = Not Installed  
TAWS Type = Class B  
Traffic Sensor = TCAS-I (ARINC429)  
WX-500 = Not Installed

### User Programmed Settings:

Autopilot Analog Gain = 128 (0 - 255)  
Autopilot Pitch Steering = Enabled  
Autopilot Roll PID Loop = Disabled  
Flight Director Enable = Disabled  
VOR Symbology Enable = Enabled  
Remote Tuning Enable = Disabled  
COM9 Flt Plan Transmit = Disabled  
Mach Display Enable = Enabled

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PLI Display Enable = Enabled  
 Stall Warning Enable = Enabled  
 Slip-Skid Display Enable = Enabled  
 Roll Indicator Type = Roll Pointer  
 Temperature Units = Degrees C  
 Analog Interface Unit = Installed  
 Landing Gear Config = Retractable  
 Glide Ratio = 18  
 IAS Switch = NA  
 IAS Switch Deadband = NA  
 GPS Antenna Offset = 0.00 feet  
 Temperature Recovery = 0.45  
 Calculate Temperature Recovery  
 Flight Path Quickening = 1500  
 Audio Warning Volume = 11 out of 15 (IDU-3 Only)  
 AHRS System = Single  
 ADC System = Single  
 GPS System = Single  
 EFIS System = Single (Pilot Only)  
 Radar Altimeter = Not Installed

ARINC429 Receive Port Settings:

Port	Speed	ADC	AHRS	Flt Dir	Fl Flw	NAV	Radalt	TCAS
COM21	LOW	OFF	OFF	OFF	OFF	OFF	OFF	OFF
COM22	LOW	OFF	OFF	OFF	OFF	OFF	OFF	OFF
COM23	HI	OFF	OFF	OFF	OFF	OFF	OFF	ON
COM24	HI	OFF	OFF	OFF	OFF	OFF	OFF	OFF

Discrete Input Settings:

Input	Function	Polarity
GPI# 1	Outer Marker Beacon	Ground Active
GPI# 2	Outer Marker Beacon	Ground Active
GPI# 3	Outer Marker Beacon	Ground Active
GPI# 4	Outer Marker Beacon	Ground Active
GPI# 5	Outer Marker Beacon	Ground Active
GPI# 6	Outer Marker Beacon	Ground Active
GPI# 7	Outer Marker Beacon	Ground Active
GPI# 8	Outer Marker Beacon	Ground Active
GPI# 9	Outer Marker Beacon	Ground Active
GPI#10	Outer Marker Beacon	Ground Active
AIU# 3	Outer Marker Beacon	Ground Active
AIU# 4	Outer Marker Beacon	Ground Active

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AIU# 5	Outer Marker Beacon	Ground Active
AIU# 6	Outer Marker Beacon	Ground Active
AIU# 7	Outer Marker Beacon	Ground Active
AIU# 8	Outer Marker Beacon	Ground Active

Note the Following Permanent Assignments:

AIU# 1	ILS #1 Energize	Ground Active
AIU# 2	ILS #2 Energize	Ground Active

Screen 1 ARINC429 Transmit Port / Discrete Output Settings:

Port	Speed	ADC	AHRS	AP	EFIS	GPS	NAV	Radalt	Load
COM21	LOW	OFF	OFF	ON	OFF	OFF	OFF	OFF	41.7%
COM22	LOW	OFF	OFF	OFF	OFF	OFF	OFF	OFF	0.0%
Output	Function					Polarity			
D01	Vne Exceedance					Ground Active			

Screen 2 ARINC429 Transmit Port / Discrete Output Settings:

Port	Speed	ADC	AHRS	AP	EFIS	GPS	NAV	Radalt	Load
COM21	LOW	OFF	OFF	OFF	OFF	OFF	OFF	OFF	0.0%
COM22	LOW	OFF	OFF	OFF	OFF	OFF	OFF	OFF	0.0%
Output	Function					Polarity			
D01	Vne Exceedance					Ground Active			

Screen 3 ARINC429 Transmit Port / Discrete Output Settings:

Port	Speed	ADC	AHRS	AP	EFIS	GPS	NAV	Radalt	Load
COM21	LOW	OFF	OFF	OFF	OFF	OFF	OFF	OFF	0.0%
COM22	LOW	OFF	OFF	OFF	OFF	OFF	OFF	OFF	0.0%
Output	Function					Polarity			
D01	Vne Exceedance					Ground Active			

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Screen 4 ARINC429 Transmit Port / Discrete Output Settings:

Port	Speed	ADC	AHRS	AP	EFIS	GPS	NAV	Radalt	Load
COM21	LOW	OFF	OFF	OFF	OFF	OFF	OFF	OFF	0.0%
COM22	LOW	OFF	OFF	OFF	OFF	OFF	OFF	OFF	0.0%
Output	Function					Polarity			
D01	Vne Exceedance					Ground Active			

Fuel Settings:

Fuel Totalizer Enable = Enabled  
 Fuel Quantity Sensor = Installed  
 Volume Units = Gallons  
 Max Fuel Quantity = 54 (per tank)  
 Main Fuel Quantity = 142 (total)  
 Low Fuel Caution = 5 (per tank)  
 Low Fuel Alarm = 2 (per tank)  
 Totalizer Qty Warn = Disabled  
 Fuel Tank Split Warn = Disabled

Fuel Calibration Map

Left Tank		Right Tank	
Volume	Sensor Val.	Volume	Sensor Val.
0.0	0.0	0.0	0.0
5.4	100.0	5.4	100.0
10.8	200.0	10.8	200.0
16.2	300.0	16.2	300.0
21.6	400.0	21.6	400.0
27.0	500.0	27.0	500.0
32.4	600.0	32.4	600.0
37.8	700.0	37.8	700.0
43.2	800.0	43.2	800.0
48.6	900.0	48.6	900.0
54.0	999.0	54.0	999.0

Engine Settings:

Type = Single Turboprop

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	LO ALARM	NORMAL	CAUTION	HI ALARM
N1 (Percent)	0	55	100	101
N2 (Percent)	0	0	2081	2100
Trq (Percent)	0	0	101	106
Fuel Flow	0.0	0.0	70.0	90.0
Fuel Press	11	12	45	50
Hyd Press	0	0	0	0
Oil Temp	-20	20	85	95
Oil Press	5	25	40	51
Volts	22.0	23.9	29.0	30.0
TIT	100	691	735	