

This document is intended to be a quick summary of the gauges, meters, and annunciator points available for the AG6. It also details some of its alarm features. This document may not contain all screens up to date. We are always adding more alarms screens and devices as they are suggested to us. Please contact us if you feel we need to add an application for your aircraft. (www.aircraftextras.com)

6 Inputs vs 16 Screens

The AG6 will accept up to 6 inputs, but it can be programmed for up to 16 screens. The reason for this is simple. This allows the user to program multiple meters, gauges, and/or annunciators to read the same input signal. For instance, if you desire to display a simple fuel gauge that will give you a low fuel warning, and you also want to display an annunciator warning screen when you reach the <30 minute fuel remaining mark, you can program both of these screens to read the same signal. You can program both screens to read the same input signal. The two screens will operate independently, even though they obtain their information from the same input signal.

Definitions

Meter – The screen displays a numeric representation of the quantity. The screen color will also represent what zone the input signal is within. When there is an alarm or caution condition, the screen will display the correct “Alarm condition” as defined below. No additional text will be displayed, just the meter.

Gauge – The screen depicts a digital representation of a gauge indicating the actual quantity. The screen color will also represent what zone the input signal is within. When there is an alarm or caution condition, the screen will display the correct “Alarm condition” as defined below. No additional text will be displayed, just the gauge.

Annunciator – The annunciator continuously displays text representing what zone the input signal is within. There may be 1, 2, or 3 screens or zones displaying different text. The screen color will also represent what zone the input signal is within. When there is an alarm or caution condition, the screen will display the correct “Alarm condition” as defined below.

Alarm condition – is a condition when the screen color represents an alarm condition (RED). Green=OK, Yel=caution, Red=alarm condition. When the AG6 sounds an alarm, the input signal has remained in the alarm zone longer than the alarm dwell time. Upon reaching a valid alarm condition, the unit will flash or blink Red until the pilot acknowledges it using the push button. The display will then be solid Red. If the input signal exits the alarm zone, the screen changes color according to what zone the input signal is in.

NOTE 1: *The “2 screen annunciators” can be programmed to ONLY display during an alarm condition. If desired, they can be programmed so they do not appear during a manual or automatic scan, but only appear when there is a valid alarm. In other words, the user can program the “OK” condition not to ever appear. ALSO, The “2 screen” annunciators can be programmed to alarm in the opposite direction even though we depict the red and green only one way.*

Alarm / Gauge / Meter summary for the AG6

	ALARM ZONE 1	ALARM ZONE 2	ALARM ZONE 3	ALARM ZONE 4	ALARM ZONE 5
Oil Level Gauges					
Linear Oil Level Gauge	Low Oil Level	Oil OK			
Linear Oil Level Gauge	Low Oil Level	Caution Low Oil Lev.	Oil Level OK		
Fuel Gauges					
Radial Fuel Gauge - Plain	Low Fuel Level	Caution Low Fuel	Fuel Level OK		
Radial Fuel Gauge - Circle w L	Low Fuel Level	Caution Low Fuel	Fuel Level OK		
Radial Fuel Gauge - Circle w R	Low Fuel Level	Caution Low Fuel	Fuel Level OK		
Radial Fuel Gauge - Circle w C	Low Fuel Level	Caution Low Fuel	Fuel Level OK		
Radial Fuel Gauge - Circle w H	Low Fuel Level	Caution Low Fuel	Fuel Level OK		
Linear Fuel Gauge - Plain	Low Fuel Level	Caution Low Fuel	Fuel Level OK		
Linear Fuel Gauge - Circle w L	Low Fuel Level	Caution Low Fuel	Fuel Level OK		
Linear Fuel Gauge - Circle w R	Low Fuel Level	Caution Low Fuel	Fuel Level OK		
Linear Fuel Gauge - Circle w C	Low Fuel Level	Caution Low Fuel	Fuel Level OK		
Linear Fuel Gauge - Circle w H	Low Fuel Level	Caution Low Fuel	Fuel Level OK		
Volt Meters					
Volts Meter w Alarms	Low Volts	Volts OK	High Volts		
Volts Meter w Alarms	Volts OK	Caution High Volts	High Volts		
Volts Meter w Alarms	Low Volts	Caution Low Volts	Volts OK		
Volts Meter w Alarms	Low Volts	Caution Low Volts	Volts OK	Caution High Volts	High Volts

Amps (or Current) Meters

Amp Meter, 50mV=10A, 1 decimal point	Current OK	High Current	
Amp Meter, 50mV=30A, 1 decimal point	Current OK	High Current	
Amp Meter, 50mV=50A, 1 decimal point	Current OK	High Current	
Amp Meter, 50mV=60A, 1 decimal point	Current OK	High Current	
Amp Meter, 50mV=70A, 1 decimal point	Current OK	High Current	
Amp Meter, 50mV=80A, 1 decimal point	Current OK	High Current	
Amp Meter, 50mV=100A, 1 decimal point	Current OK	High Current	
Amp Meter, 50mV=100A, 0 decimal point	Current OK	High Current	
Amp Meter, 50mV=120A, 1 decimal point	Current OK	High Current	
Amp Meter, 50mV=120A, 0 decimal point	Current OK	High Current	
Amp Meter, 50mV=150A, 0 decimal point	Current OK	High Current	
Amp Meter, 50mV=180A, 0 decimal point	Current OK	High Current	
Amp Meter, 50mV=200A, 0 decimal point	Current OK	High Current	
Amp Meter, 50mV=300A, 0 decimal point	Current OK	High Current	
Amp Meter, 100mV=10A, 1 decimal point	Current OK	High Current	
Amp Meter, 100mV=30A, 1 decimal point	Current OK	High Current	
Amp Meter, 100mV=50A, 1 decimal point	Current OK	High Current	
Amp Meter, 100mV=60A, 1 decimal point	Current OK	High Current	
Amp Meter, 100mV=70A, 1 decimal point	Current OK	High Current	
Amp Meter, 100mV=80A, 1 decimal point	Current OK	High Current	
Amp Meter, 100mV=100A, 1 decimal point	Current OK	High Current	
Amp Meter, 100mV=100A, 0 decimal point	Current OK	High Current	
Amp Meter, 100mV=120A, 1 decimal point	Current OK	High Current	
Amp Meter, 100mV=120A, 0 decimal point	Current OK	High Current	
Amp Meter, 100mV=150A, 0 decimal point	Current OK	High Current	
Amp Meter, 100mV=180A, 0 decimal point	Current OK	High Current	
Amp Meter, 100mV=200A, 0 decimal point	Current OK	High Current	
Amp Meter, 100mV=200A, 1 decimal point	Current OK	High Current	
Amp Meter, 100mV=300A, 0 decimal point	Current OK	High Current	
Amp Meter, 50mV=10A, 1 decimal point	Current OK	High Current	
Amp Meter, 50mV=30A, 1 decimal point	Current OK	Caution High Current	High Current
Amp Meter, 50mV=50A, 1 decimal point	Current OK	Caution High Current	High Current
Amp Meter, 50mV=60A, 1 decimal point	Current OK	Caution High Current	High Current
Amp Meter, 50mV=70A, 1 decimal point	Current OK	Caution High Current	High Current
Amp Meter, 50mV=80A, 1 decimal point	Current OK	Caution High Current	High Current
Amp Meter, 50mV=100A, 1 decimal point	Current OK	Caution High Current	High Current
Amp Meter, 50mV=100A, 0 decimal point	Current OK	Caution High Current	High Current
Amp Meter, 50mV=120A, 1 decimal point	Current OK	Caution High Current	High Current
Amp Meter, 50mV=120A, 0 decimal point	Current OK	Caution High Current	High Current
Amp Meter, 50mV=150A, 0 decimal point	Current OK	Caution High Current	High Current
Amp Meter, 50mV=180A, 0 decimal point	Current OK	Caution High Current	High Current
Amp Meter, 50mV=200A, 0 decimal point	Current OK	Caution High Current	High Current
Amp Meter, 50mV=300A, 0 decimal point	Current OK	Caution High Current	High Current
Amp Meter, 100mV=10A, 1 decimal point	Current OK	Caution High Current	High Current

Amps (or Current) Meters (continued)	ALARM ZONE 1	ALARM ZONE 2	ALARM ZONE 3
Amp Meter, 100mV=30A, 1 decimal point	Current OK	Caution High Current	High Current
Amp Meter, 100mV=50A, 1 decimal point	Current OK	Caution High Current	High Current
Amp Meter, 100mV=60A, 1 decimal point	Current OK	Caution High Current	High Current
Amp Meter, 100mV=70A, 1 decimal point	Current OK	Caution High Current	High Current
Amp Meter, 100mV=80A, 1 decimal point	Current OK	Caution High Current	High Current
Amp Meter, 100mV=100A, 1 decimal point	Current OK	Caution High Current	High Current
Amp Meter, 100mV=100A, 0 decimal point	Current OK	Caution High Current	High Current
Amp Meter, 100mV=120A, 1 decimal point	Current OK	Caution High Current	High Current
Amp Meter, 100mV=120A, 0 decimal point	Current OK	Caution High Current	High Current
Amp Meter, 100mV=150A, 0 decimal point	Current OK	Caution High Current	High Current
Amp Meter, 100mV=180A, 0 decimal point	Current OK	Caution High Current	High Current
Amp Meter, 100mV=200A, 0 decimal point	Current OK	Caution High Current	High Current
Amp Meter, 100mV=200A, 1 decimal point	Current OK	Caution High Current	High Current
Amp Meter, 100mV=300A, 0 decimal point	Current OK	Caution High Current	High Current

Miscellaneous Meters	ALARM ZONE 1	ALARM ZONE 2	ALARM ZONE 3	ALARM ZONE 4	ALARM ZONE 5
Fuel Press. 1DP, 3 zone, Dig. Mtr.	Low	OK	Caution		
Carb Temp. 0DP, 3 zone, Dig. Mtr.	Low	Caution	OK		
Landing Brake - 5 Screens	Caution	Caution	Caution	Caution	OK
Oil Pressure, Dig. Mtr. 1DP	Low	Caution	OK		
Oil Temp, °F, Dig. Mtr., 0DP	OK	Caution	High		
CHT1 Dig. Mtr., 0DP	OK	Caution	High		
CHT2 Dig. Mtr., 0DP	OK	Caution	High		
CHT3 Dig. Mtr., 0DP	OK	Caution	High		
CHT4 Dig. Mtr., 0DP	OK	Caution	High		
CHT5 Dig. Mtr., 0DP	OK	Caution	High		
CHT6 Dig. Mtr., 0DP	OK	Caution	High		
EGT1 Dig. Mtr., 0DP	OK	Caution	High		
EGT2 Dig. Mtr., 0DP	OK	Caution	High		
EGT3 Dig. Mtr., 0DP	OK	Caution	High		
EGT4 Dig. Mtr., 0DP	OK	Caution	High		
EGT5 Dig. Mtr., 0DP	OK	Caution	High		
EGT6 Dig. Mtr., 0DP	OK	Caution	High		
Tire P., Dig. Mtr., 1DP	Low	Caution	OK		
RPM, Dig. Mtr., 0DP	OK	Caution	High		
Air Speed, Dig. Mtr., 0DP	OK	Caution	High		
Suction, Dig. Mtr., 1DP	Low	Caution	OK		
Manifold Pressure, Dig. Mtr., 1DP	Low	Caution	OK		
Coolant °F, Dig. Mtr., 0DP	OK	Caution	High		
Water °F, Dig. Mtr., 0DP	OK	Caution	High		
ALT., Dig. Mtr., 0DP	Low	Caution	OK		
Altitude, Dig. Mtr., 0DP	Low	Caution	OK		
G. Meter, Dig. Mtr., 1DP	OK	Caution	High		
OAT, Dig. Mtr., 1DP	Low	Caution	OK	Caution	High

ANNUNCIATORS (2 screens, 2 zone)

High Voltage	Voltage OK	High Voltage	see NOTE 1
Low Voltage	Low Voltage	Voltage OK	see NOTE 1
<30 Minute Fuel	<30Min. Fuel	Fuel OK	see NOTE 1
<45 Minute Fuel	<45Min. Fuel	Fuel OK	see NOTE 1
High Fuel Pressure	Fuel Pressure OK	High Fuel Pressure	see NOTE 1
Low Fuel Pressure	Low Fuel Pressure	Fuel Pressure OK	see NOTE 1
Low Fuel	Low Fuel	Fuel OK	see NOTE 1
Fuel Pump On	Fuel Pump Off	Fuel Pump On	see NOTE 1
Oil Pressure	Oil Press. OK	High Oil Press.	see NOTE 1
Oil Pressure	Low Oil Press.	Oil Press. OK	see NOTE 1
Landing Gear Position	Gear Down	Gear Up	see NOTE 1
Landing Gear Locked	Gear Locked	Gear UnLocked	see NOTE 1
Cowl Flaps	Cowl Flaps Closed	Cowl Flaps Open	see NOTE 1
Canopy	Canopy Closed	Canopy Open	see NOTE 1
Circuit Breaker	Circuit Breaker Open	Circuit Breaker Closed	see NOTE 1
Stall Warning	Stall Warning	No Stall	see NOTE 1
Flaps	Flaps Down	Flaps Up	see NOTE 1
Flaps Over Speed	Flaps OK	Flaps Over Speed	see NOTE 1
Vacuum	Vacuum OK	High Vacuum	see NOTE 1
Vacuum	Low Vacuum	Vacuum OK	see NOTE 1
Low Current	Low Current	Current OK	see NOTE 1
High Current	Current OK	High Current	see NOTE 1
Carburetor Ice	Carb. Ice	Carb. Temp. OK	see NOTE 1
Carburetor High Temp	Carb. Temp. OK	High Carb. Temp.	see NOTE 1
Exhaust Gas	Exhaust Gas Temp. OK	High Exhaust Temp.	see NOTE 1
Cabin Fire	Cabin Fire	No Fire	see NOTE 1
Engine Fire	No Fire	Engine Fire	see NOTE 1
Low Manifold Pressure	Low Manif. Press.	Manif. Press. OK	see NOTE 1
High Manifold Pressure	Manif. Press. OK	High Man. Press.	see NOTE 1
Starter	Starter OK	Starter On	see NOTE 1
RPM	RPM OK	High RPM	see NOTE 1
High Speed	Speed OK	High Speed	see NOTE 1
Low Speed	Low Speed	Speed OK	see NOTE 1
Low Oil Temp	Low Oil Temp.	Oil Temp. OK	see NOTE 1
High Oil Temp	Oil Temp. OK	High Oil Temp.	see NOTE 1
Low Oxygen Flow	Low Oxygen Flow	Oxygen Flow OK	see NOTE 1
Low Oxygen Pressure	Low Oxygen Press.	Oxygen Press OK	see NOTE 1
High Altitude	Altitude OK	High Altitude	see NOTE 1
Low Altitude	Low Altitude	Altitude OK	see NOTE 1
OAT Ice Warning	OAT Ice Warning	OAT OK	see NOTE 1
CO Warning	No CO	CO Warning	see NOTE 1
Low Tire Pressure	Low Tire Pressure	Tire Pressure OK	see NOTE 1
Door Annunciator	Door Closed	Door Open	see NOTE 1
Baggage Door	Bagg. Door Closed	Bagg. Door Open	see NOTE 1
Oil Door Open	Oil Door Closed	Oil Door Open	see NOTE 1
Low Oil Level	Low Oil Level	Oil Level OK	see NOTE 1
High Cylinder Temp.	Cyl. Head Temp. OK	High Cylinder Temp.	see NOTE 1
Alternator	ALT	ALT OK	see NOTE 1
EFIS Alarm	EFIS Alarm	EFIS Ok	see NOTE 1
EIS Alarm	EIS Alarm	EIS OK	see NOTE 1
Gearbox Chip Detect	Gearbox Chip Detect	Gearbox OK	see NOTE 1
Gearbox Over Temp.	Gearbox Over Temp	Gearbox OK	see NOTE 1
Low Coolant	Low Coolent Level	Coolant OK	see NOTE 1
Fuel OK, Low Fuel Left	Fuel OK (Left)	Fuel Low (Left)	see NOTE 1
Fuel OK, Low Fuel Right	Fuel OK (Right)	Fuel Low (Right)	see NOTE 1
Canopy Locked, Canopy Open	Canopy Locked	Canopy Open	see NOTE 1
Landing Brake OFF/ON	Landing Brk OFF	Landing Brk ON	see NOTE 1
Door Open/Closed	Oil Door Closed	Oil Door Open	see NOTE 1
Oil Level	Low Oil Level	Oil Level OK	see NOTE 1
Cyl. Head Temp.	Cyl. Head Temp. OK	High Cyl. Temp.	see NOTE 1
Alternator	ALT	ALT OK	see NOTE 1
EFIS	EFIS Alarm	EFIS OK	see NOTE 1
EIS	EIS Alarm	EIS OK	see NOTE 1
Oil Door	Oil Door Closed	Oil Door Open	see NOTE 1

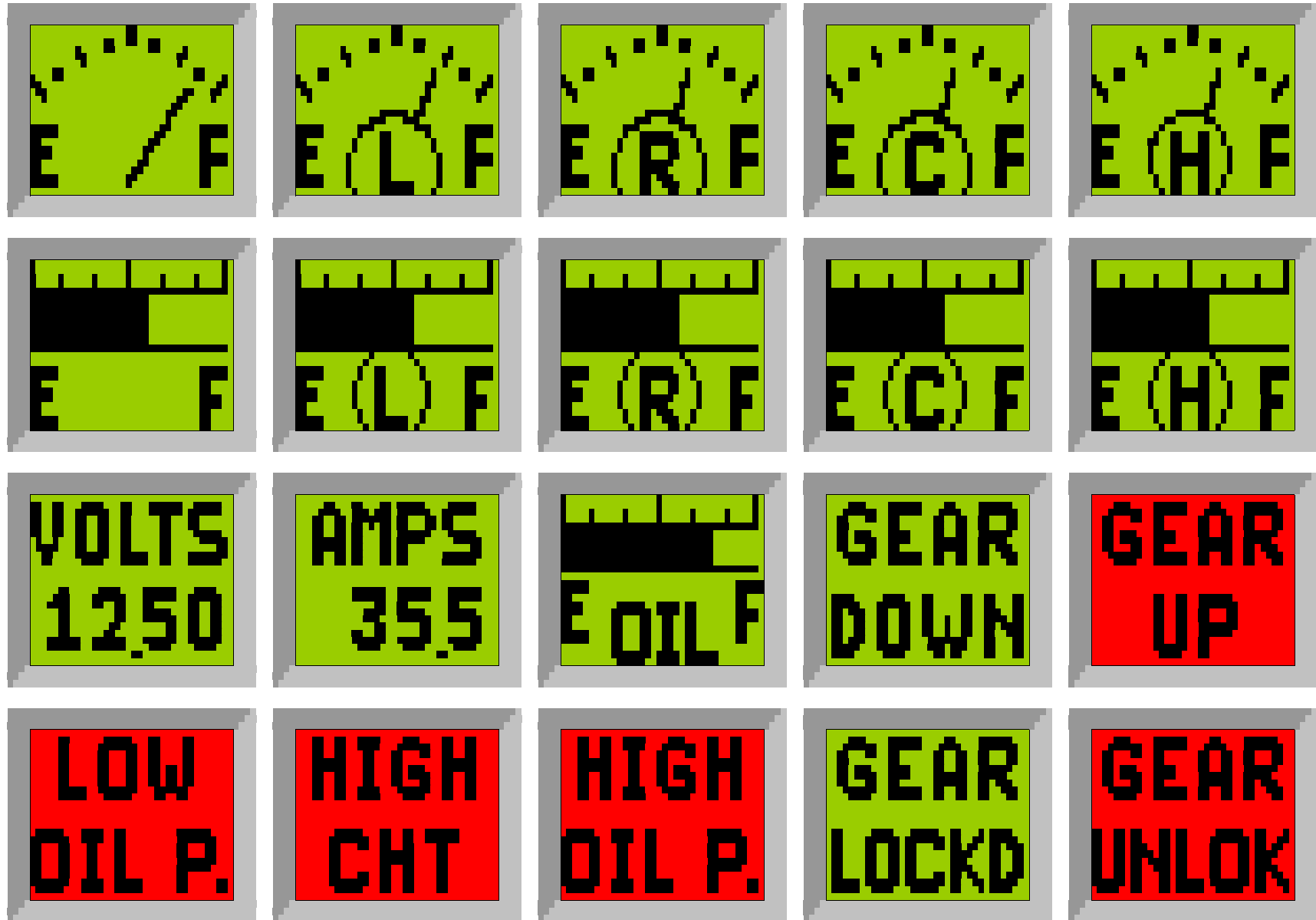
NOTE 1:

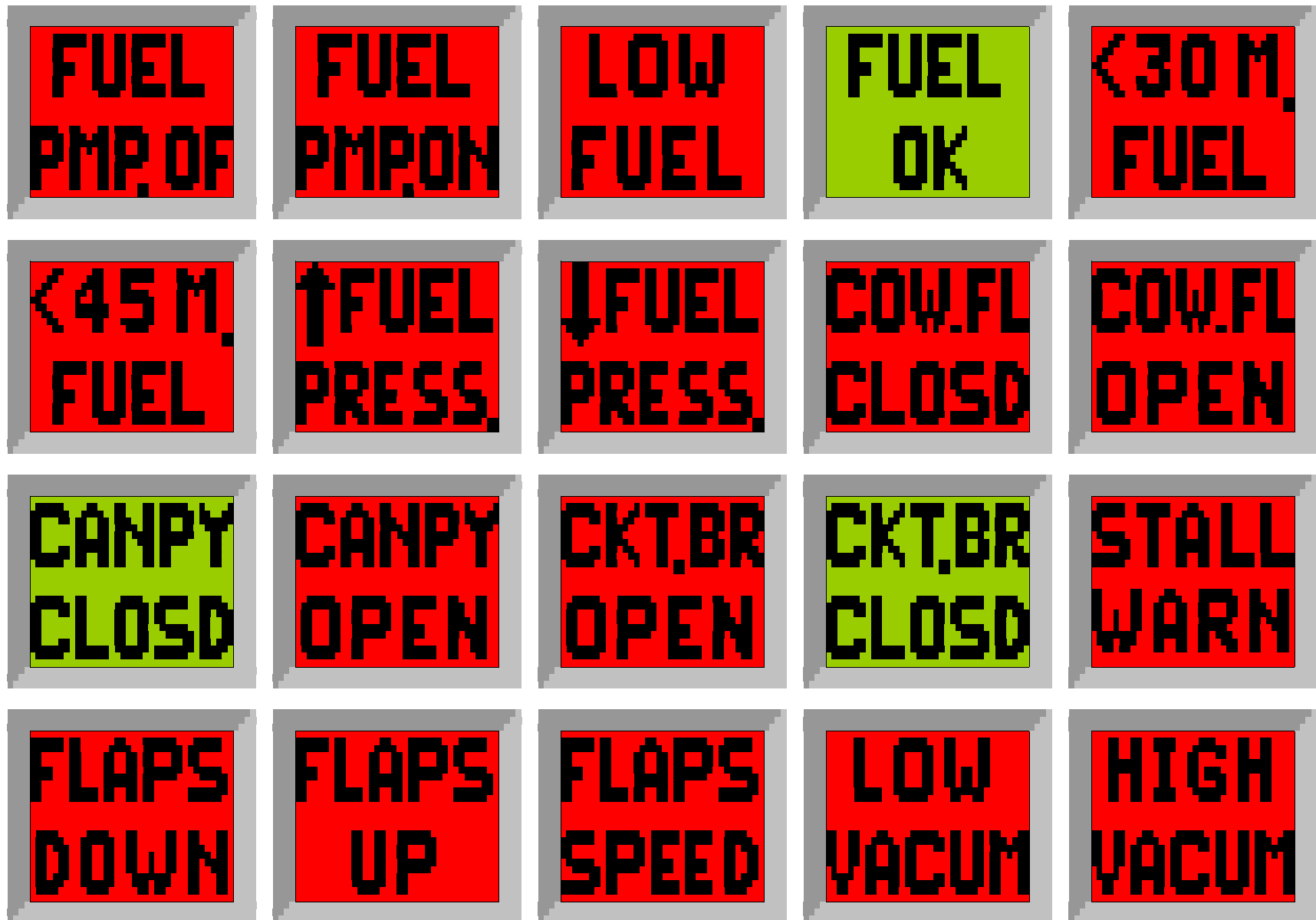
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ANNUNCIATOR (3 screens, 3 zone)	ALARM ZONE 1	ALARM ZONE 2	ALARM ZONE 3	
High&Low Voltage	Low Voltage	Voltage OK	High Voltage	see NOTE 1
Low&High Oil Pressure	Low Oil Press.	Oil Press. OK	High Oil Press.	see NOTE 1
Low&High Fuel Pressure	Low Fuel Press.	Fuel Press. OK	High Fuel Press.	see NOTE 1
Low&High Current	Low Current	Current OK	High Current	see NOTE 1
Low&High Carburator Temperature	Carb. Ice	Carb. Temp OK	High Carb. Temp.	see NOTE 1
Low&High Manifold Pressure	Low Manif. Press.	Manif. Press. OK	High anif. Press.	see NOTE 1
Bad RPM	RPM OK	Bad RPM	RPM OK	see NOTE 1
Low&High RPM	Low RPM	RPM OK	High RPM	see NOTE 1
Low&High Speed	Low Speed	Speed OK	High Speed	see NOTE 1
Low&High Oil Temperature	Low Oil Temp.	Oil Temp. OK	High Oil Temp.	see NOTE 1
Low&High Altitude	Low Altitude	Altitude OK	High Altitude	see NOTE 1
Low&High Vacuum	Low Vacuum	Vacuum OK	High Vacuum	see NOTE 1

NOTE 1:

The "2 screen annunciators" can be programmed to only display during an alarm condition. If desired, they can be programmed so they do not appear during a manual or automatic scan, but only appear when there is a valid alarm. In other words, the user can program the "OK" condition not to ever appear. ALSO, The "2 screen" annunciators can be programmed to alarm in the opposite direction even though we depict the red and green only one way.





LOW
VOLTS

HIGH
VOLTS

LOW
CURR.

HIGH
CURR.

CARB.
ICE

CARB.
TMP. HI

HIGH
EGT

CABIN
FIRE

ENGIN
FIRE

↓ MAN.
PRESS.

↑ MAN.
PRESS.

STRTR
ON

HIGH
RPM

BAD
RPM

LOW
RPM

HIGH
SPEED

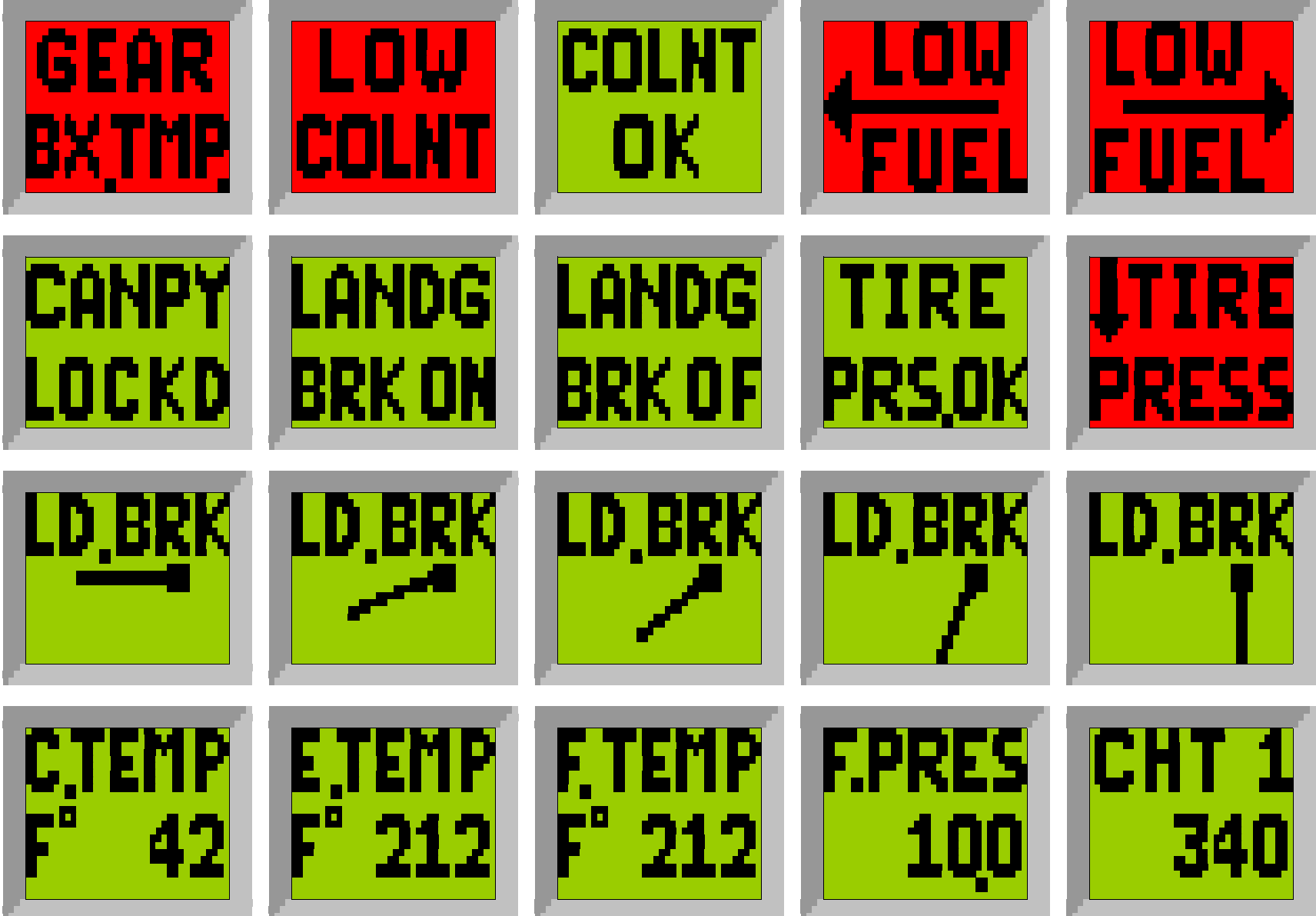
LOW
SPEED

LOW
OIL T.

HIGH
OIL T.

LOW OX
FLOW





CHT 2
350

CHT 3
362

CHT 4
321

CHT 5
330

CHT 6
370

EGT 1
1382

EGT 2
1250

EGT 3
1310

EGT 4
1189

EGT 5
1220

EGT 6
1377

OILPRS
730

OILTMP
F° 180

TIRE P
320

RPM
2400

AIR SP
168

SUCTN
40

MAN P
300

COLNT
F° 212

WATER
F° 212

ALTIT.
12500

G. MET
25

OAT
F° 750

