



TYPICAL AIRCRAFT WIRING VARIATIONS

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REVISIONS				
REV	DESCRIPTION	DRAWN	CHK.	APP.
A	ADDED WIRE DESIGNATIONS	DJC 10/28/96	STP 10/29/96	STP 10/29/96
B	REVISED DIAGRAMS, NOTES AND TYPICAL SWITCH WIRING EXAMPLES	DJC 03/27/97	BEC 03/27/97	STP 03/27/97
C	CLARIFIED RATINGS ADDED NOTE 7	DJC 09/25/97	STP 12/17/97	STP 12/17/97
D	ADD TOGGLE SW SPECS. TO CESSNA DIAGRAM	DJC 10/05/99	STP 10/05/99	STP 10/05/99

PULSELITE 1200 SERIES
MODELS 1210/2405-2 & 1220/2410-2A

CONTROL INPUT PWR ----- WHITE
OUTPUT CH. A ----- RED
RATE SELECT ----- YELLOW
OUTPUT CH. B ----- BROWN
GROUND ----- BROWN
SYNC ----- BLUE
MODE ALTERNATE ----- BLACK
----- ORANGE
----- GRAY
----- VIOLET

----- PULSELITE WIRING
----- AIRCRAFT WIRING

RATINGS:	1220	2410	1210	2405
WATTS/CHANNEL*	250	250	125	125
AMPERAGE:	20	10	10	5
VOLTAGE:	12	24	12	24

NOTES:

- ATTACH VIOLET WIRE TO GRAY WIRE FOR AN ALTERNATING PULSE, ATTACH ORANGE WIRE TO GRAY WIRE FOR A SIMULTANEOUS PULSE. INSULATE AND TIE OFF WIRE NOT USED. REF. AC 43.13
 - CONNECT BROWN WIRES FOR HIGH SPEED PULSING RATE (92 PPM), DISCONNECT BROWN WIRES FOR NORMAL SPEED PULSING (46 PPM).
 - SOME PULSELITE WIRING EXAMPLES SHOW THE REPLACEMENT OF THE ORIGINAL SWITCH WITH A SINGLE POLE ON-OFF-ON SWITCH (MS24524-21 OR EQUIV.), THIS ALLOWS ONE SWITCH TO CONTROL STEADY ON, PULSING, OR OFF. MOST APPLICATIONS CAN USE A DEDICATED PULSELITE SWITCH, IF DESIRED. THESE COMMON SWITCHES ARE AVAILABLE THROUGH AVIALL, NEWARK, AIRCRAFT SPRUCE & SPECIALTY OR OTHER SIMILAR PARTS HOUSES.
 - DIODE(S)- NEEDED ONLY W/ ALTERNATING PULSE
DIODES ARE 1N1184A (PFI #01352) TORQUE TO 25-30 IN-LBS.
 - ALL WIRING MUST CONFORM TO AC 43.13-1A, CHAPTER 11, SEC. 3. WIRE SIZE MUST BE EQUAL TO OR GREATER THAN EXISTING AIRCRAFT WIRE GAUGE AND MEET THE REQUIREMENTS OF AC 43.13-1A, CHAPTER 11, SEC. 3 FIGURE 11.5.
 - GROUND CONTROL UNIT TO AIRFRAME. (BLACK WIRE)
- * [7] CHANNELS A & B MAY BE BRIDGED TO INCREASE SIMULTANEOUS MODE WATTAGE.

QTY REQD		CODE	PART NO.	DESCRIPTION	MATERIAL/MFG.	ITEM
-2	-1					
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: DECIMALS .XX = 0.03 .XXX = 0.01 DO NOT SCALE DRAWINGS			CONTRACT NO.		PRECISE FLIGHT, INC. www.preciseflight.com 63120 POWELL BUTTE RD. BEND, OREGON 97701 (541) 382-8684 FAX (541) 388-1105	
TREATMENT			APPROVALS	DATE	TITLE	
FINISH			DRAWN	D CREACH	08/20/96	
SIMILAR TO			CHECKED	B COLLINS	08/28/96	
SPECIAL MK SYM			ENGR	S PHILIBEN	08/20/96	
PART DASH NO	NEXT QTY REQD PER ASSY	FINAL	NEXT ASSY	USED ON	SIZE	CODE
APPLICATION			DESIGN ACTIVITY		B	
					DWG. NO.	REV.
					015P017WD	
					SCALE	NTS
					STC #	SA4005NM, SH3319NM
					1 OF 1	