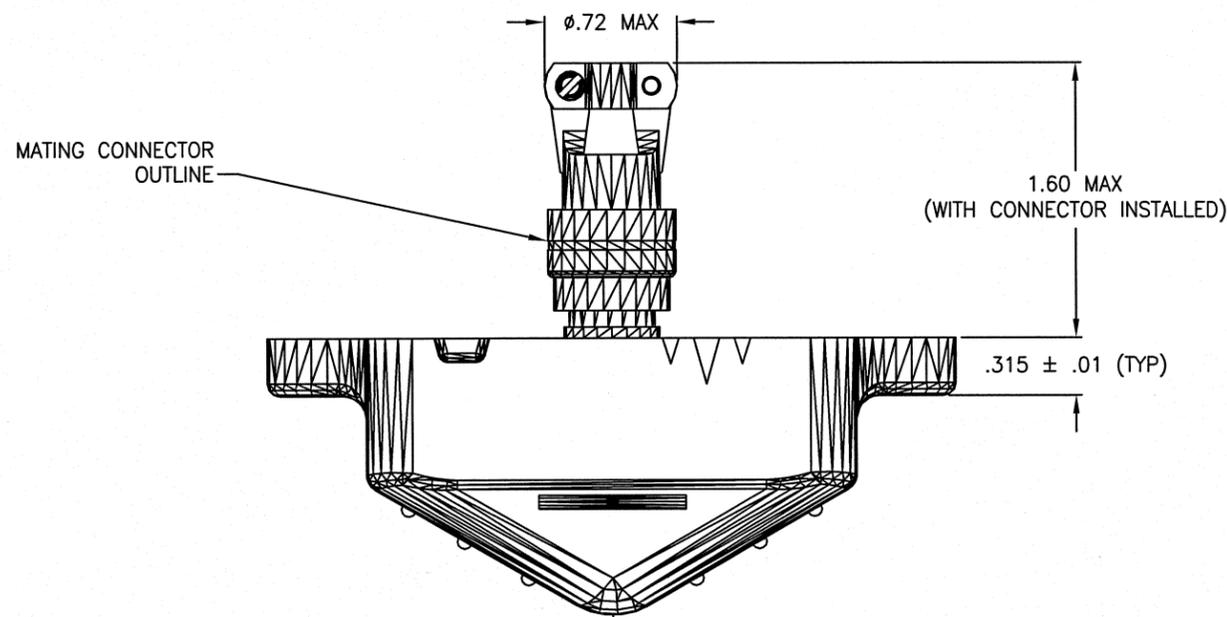
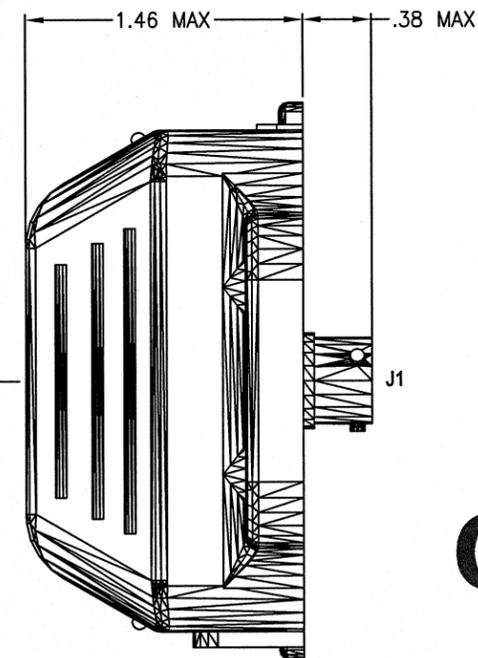
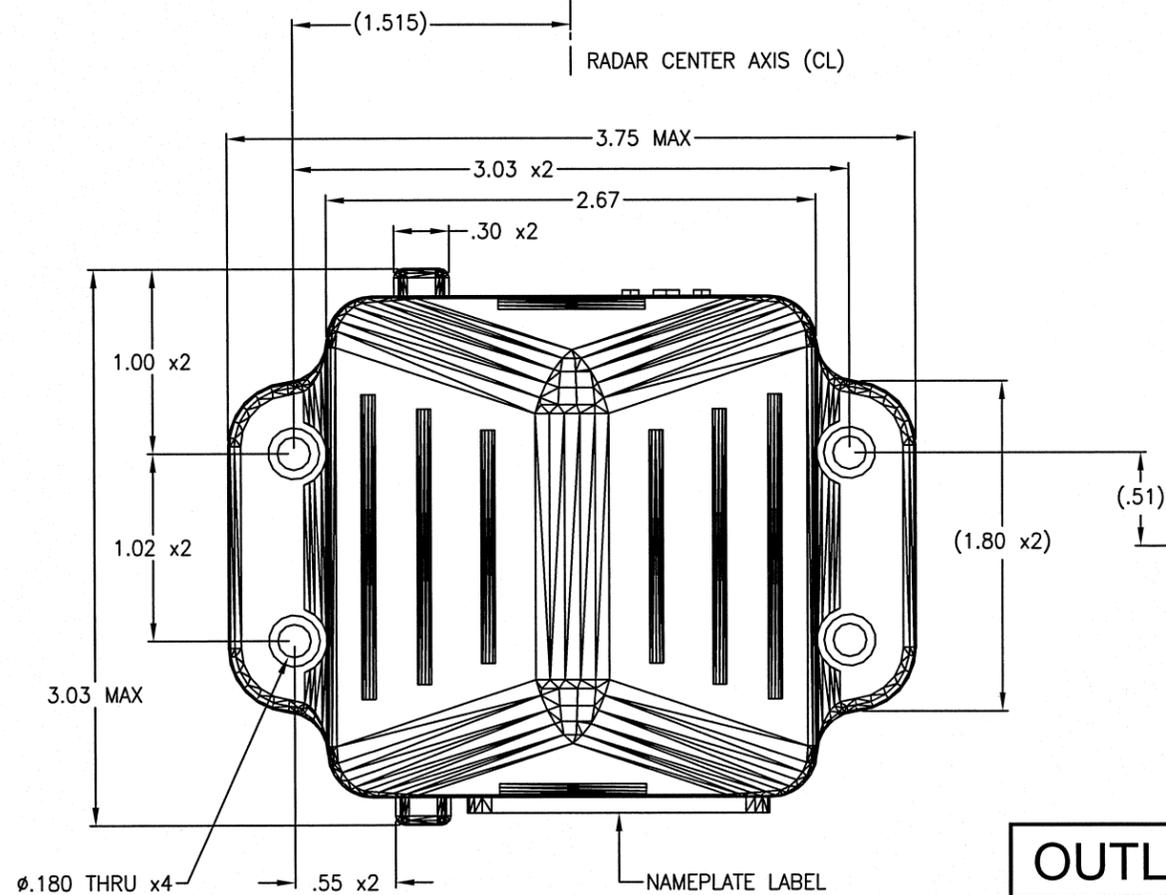


NOTICE: This drawing contains proprietary designs, specifications, data, information and technical material that are the sole property of SECURAPLANE, to be held and treated by its recipient on a confidential basis and not to be shown or disclosed to any unauthorized organization or person.

REVISION HISTORY				
REV	ECO NO.	DESCRIPTION	DATE	APVD
-	-	INITIAL RELEASE	041112	JT
A	041201-1	ADDED FCC COMPLIANCE STATEMENT ON SHEET 2	041207	ATG



J1 CONNECTOR PIN-OUT		EXISTING PIR375 WIRING PIN-OUT FOR CONVERSION TO RCR-01	
PIN	SIGNAL DESCRIPTION	PIR375-04	PIR375-11
1	12V IN	B 12V IN	1 12V IN
2	GND	E GND	2 GND
3	NOT USED	-	-
4	NOT USED	-	-
5	OUTPUT A	-	-
6	OUTPUT B	A OUTPUT	5 OUTPUT B
		H (NOT USED)	-
		D (NOT USED)	-
			3 (NOT USED)
			4 (NOT USED)
			6 (NOT USED)



OUTLINE DETAILS

ORIGINAL

AUTOCAD R14 DOCUMENT

- NOTES: UNLESS OTHERWISE SPECIFIED
1. MATERIAL: AVIATION PLASTIC ENCLOSURE/SILICONE POTTING REAR.
 2. EXTERNAL FINISH: NATURAL TAN COLOR OF PLASTIC MATERIAL FINISH.
 3. J1 CONNECTOR: MS27508E8F35P.
 4. J1 MATING CONNECTOR: MS27473E8F35S WITH MS27291-13 BACKSHELL.
 5. ACTUAL UNIT WEIGHT: .35 ± .03 LBS.
 6. RANGE: ADJUSTABLE 2-8 FEET BY 1 FT INCREMENTS. SET EXTERNALLY USING A MAGNET AND EXTERNALLY MOUNTED LED'S FOR RANGE INDICATION, WHILE IN SETUP MODE.
 7. DIMENSIONS IN PARENTHESIS ARE FOR REFERENCE ONLY.

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES [MM] TOLERANCES			DRAWN BY		DATE	
DECIMALS	ANGULAR		B.VINOGRADOV	041112	10800 N Mavinee Dr. Tucson, AZ 85737	
.XX ± .010	X ± 1°		CHECKED BY			
.XXX ± .005	X ± .5°		P.THOMPSON	041112		
ALL SURFACES \sqrt{R} DO NOT SCALE DRAWING			PROJECT ENG APPROVAL			
TREATMENT			D.LUKSO		041112	
NONE			ENG DIVISION APPROVAL			
FINISH			A.LUYK		041112	
SEE NOTE 2			MFG APPROVAL			
NA	RCR-01		D.COLE		041112	
NEXT ASSY	USED ON		QA APPROVAL			
FIRST APPLICATION			K.STUCKY		041112	
TITLE						RCR-01 OUTLINE (RANGE CONTROLLED RADAR)
SIZE	CAGE CODE	DWG NO.				
B	0TMJ9	100-2418-01				
SCALE	TOP ASSY	SHEET				
1:1	101-2418-01	1 OF 2				

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RCR-01 RANGE ADJUSTMENT

NOTE: RCR-01 MUST BE INSTALLED AND WIRING CONTINUITY VERIFIED.

NOTE: RCR-01 IS SHIPPED WITH RANGE SET TO 2 FEET.

1. APPLY 12VDC TO RCR-01 USING SEPARATE POWER SUPPLY OR BY ARMING SYSTEM.
2. PUT RCR-01 INTO SETUP MODE BY PLACING A SMALL MAGNET AT THE MAGNET TARGET POINT (APPROXIMATELY 5 SECONDS). THE LED'S WILL FLASH, THE NUMBER OF FLASHES INDICATING THE CURRENT RANGE SETTING (IN FEET). REMOVE THE MAGNET.
3. PERFORM AREA/RANGE COVERAGE TESTING BY MOVING HANDS OR OTHER OBJECTS AROUND THE INTENDED COVERAGE AREA.

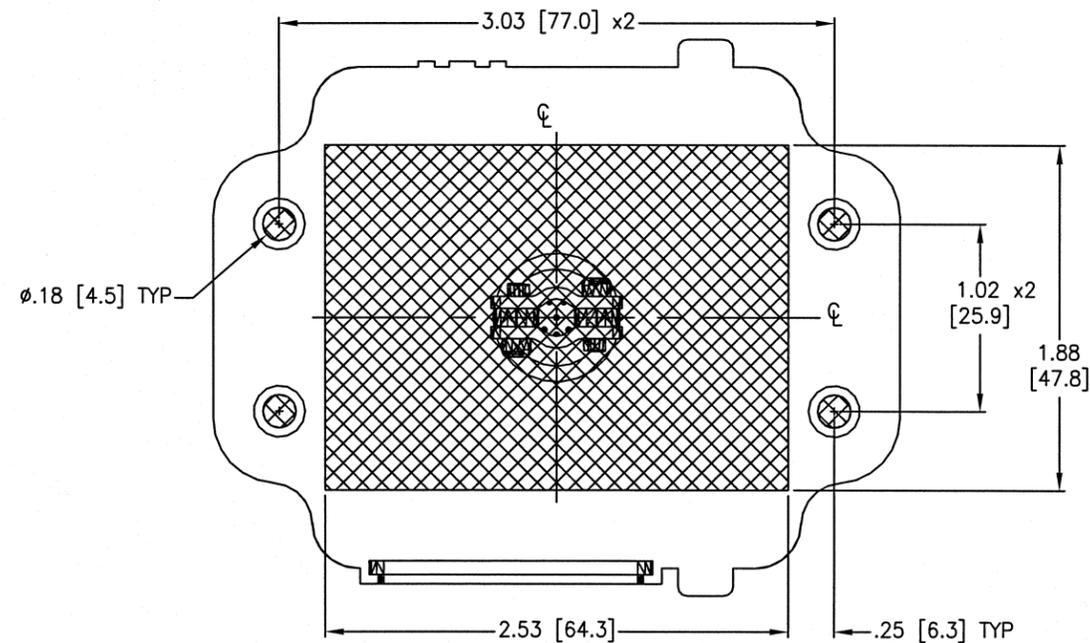
NOTE: THE RCR-01 FIELD WILL "SPILL" OUTSIDE THE WHEEL WELL OPENING. HOWEVER, THIS CONDITION IS ACCEPTABLE BECAUSE THE RCR-01 WILL NOT SENSE BEYOND THE SET RANGE. THE PIR375 WAS NOT RANGE LIMITED AND REQUIRED THE INFRARED VIEWING PATTERN BE CONTAINED WITHIN THE WHEEL WELL OPENING.

4. RANGE CAN BE INCREASED IN 1 FOOT INCREMENTS (UP TO 8 FEET) EACH TIME A MAGNET IS MOMENTARILY PLACED AT THE MAGNET TARGET POINT. ONCE IN THE 8 FOOT RANGE SETTING, AN ADDITIONAL MAGNET ACTIVATION RESTARTS RANGE SELECT SEQUENCE FROM THE 2 FOOT SETTING. WHEN THE MAGNET IS REMOVED THE LED'S WILL FLASH THE CURRENT RANGE SETTING (IN FEET). SET THE RANGE TO LOWEST RANGE THAT, IN COMBINATION WITH THE OTHER RCR DETECTORS IN THE SAME WHELLWELL, PROVIDES FULL WHEEL WELL DETECTION.

NOTE: IT IS IMPORTANT TO SECURE ANY "REMOVE BEFORE FLIGHT" FLAGS IN OR NEAR THE WHEEL WELLS AS RAPID MOVEMENT OF THE FLAG MAY FALSELY TRIGGER THE RCR-01 SENSOR. FLAGS MAY BE SECURED USING WEIGHTS, BUNGEE CORDS OR VELCRO FASTENERS.

5. ONCE THE RANGE IS ADJUSTED TO CREATE AN ACCEPTABLE COVERAGE AREA, EXIT THE SETUP MODE BY PLACING A MAGNET AT THE MAGNET TARGET POINT UNTIL THE LED'S RAPIDLY FLASH 10 TIMES. REMOVE THE MAGNET. SET UP MODE WILL TERMINATE IF POWER IS REMOVED OR AFTER 5 MINUTES, ALWAYS RETAINING THE LAST SELECTED RANGE.

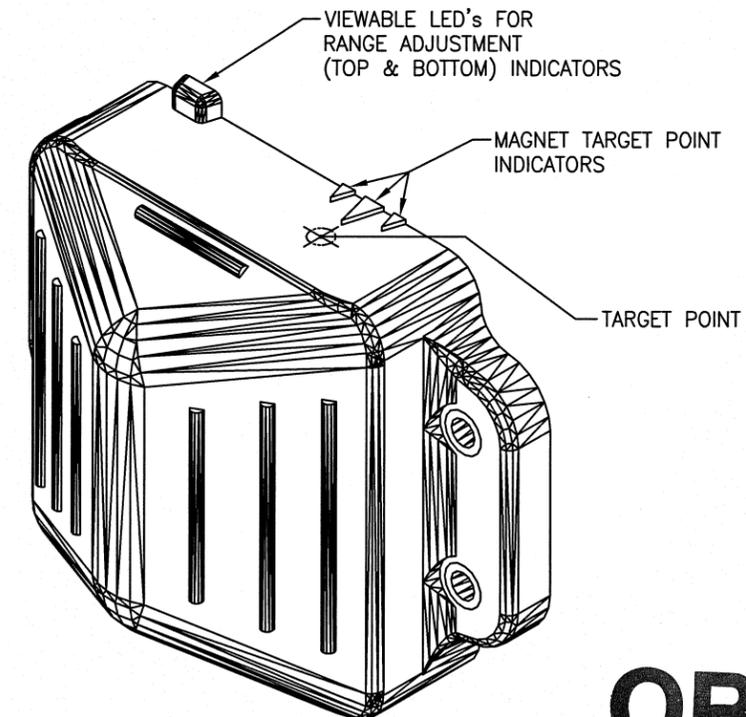
END OF RANGE SET UP



RCR/PIR MOUNTING CUTOUT (TYP)

FCC COMPLIANCE

THIS DEVICE COMPLIES WITH PART 15 OF THE FCC RULES. OPERATION IS SUBJECT TO THE FOLLOWING THREE CONDITIONS: 1. THIS DEVICE MAY NOT CAUSE HARMFUL INTERFERENCE. 2. THIS DEVICE MUST ACCEPT ANY INTERFERENCE RECEIVED, INCLUDING INTERFERENCE THAT MAY CAUSE UNDESIRE OPERATION. 3. CHANGES OR MODIFICATIONS NOT EXPRESSLY APPROVED BY THE PARTY RESPONSIBLE FOR COMPLIANCE COULD VOID THE USER'S AUTHORITY TO OPERATE THE EQUIPMENT.



ORIGINAL

INSTALLATION DETAILS

AUTOCAD R14 DOCUMENT

		10800 N Mavinee Dr. Tucson, AZ 85737	
SIZE	CAGE CODE	DWG NO.	REV
B	0TMJ9	100-2418-01	A
SCALE	1:1	SHEET	2 OF 2