



**IKUSI**

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USA**

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Suite C110  
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**May 18, 2006**

To Whom It May Concern:

Some radio remote control applications need the antenna to be installed in a place different far from the receiver. The cable extension and the antenna proposed solve this problem.

The radio TR800US, with FCC ID PVTTR800-US, keeps as it was certified.

A new antenna NEARSON S325TR-915 or equivalent, is now available for this new use. The remote control receivers R70/13 and R70/21 are optionally modified in the following aspects:

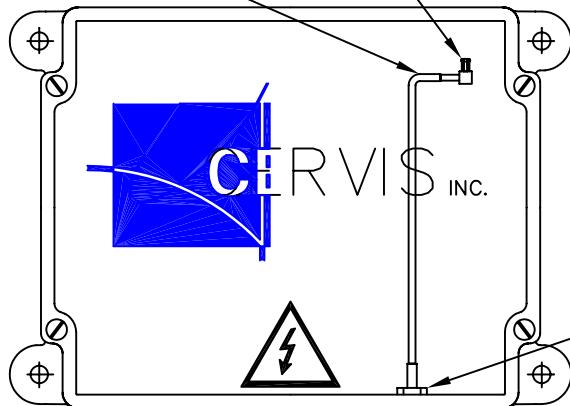
1. The TR800US's RF input/output signal is conducted to the Remote Control Receiver case wall, through a coaxial cable RG-188 ended with a MC card plug right angle connector PASTERNACK # PE44308 or EF JOHNSON MCX133-34-3402-101 or equivalent, plus a reverse polarity TNC female bulkhead connector PASTERNACK # PE4700 or equivalent.
2. An optional cable Custom Extension could be use to take away several meters from the remote control receiver the RF signal. This cable is composed of a reverse polarity TNC male connector PASTERNACK # PE4664 or equivalent, plus several meter of RG58 cable, plus a reverse polarity TNC female bulkhead connector PASTERNACK # PE4696 or equivalent. This last connector could be fixed on a custom antenna mounting bracket.
3. The new antenna is with reverse polarity TNC male connector NEARSON S325TR-915 or equivalent.
4. The attached drawings show the way of mounting the inside original antennas and the new way of installing the external antenna model NAEARSON S325TR-915 or equivalent.

Sincerely,

Luis Rodriguez Navarrete  
Chief Engineer

MC CARD PLUG  
RIGHT ANGLE  
CONNECTOR  
PASTERNACK # PE44308, OR  
EF JOHNSON MCX133-3402-101  
(OR EQUIVALENT)

RG-188 COAXIAL CABLE



REVERSE POLARITY  
TNC FEMALE BULKHEAD  
CONNECTOR  
PASTERNACK # PE4700  
(OR EQUIVALENT)

10 FOOT PIGTAIL

REVERSE POLARITY  
TNC MALE  
CONNECTOR  
PASTERNACK # PE4664  
(OR EQUIVALENT)

RG-58 COAXIAL CABLE

ANTENNA WITH  
REVERSE POLARITY  
TNC MALE CONNECTOR  
NEARSON S325TR-915  
(OR EQUIVALENT)

REVERSE POLARITY  
TNC FEMALE BULKHEAD  
CONNECTOR  
PASTERNACK # PE4696  
(OR EQUIVALENT)

CUSTOM EXTENSION  
5', 10', 20', 50', MAYBE OTHERS  
(VENDOR TO BE DETERMINED)

--REVISION--	
NO.	DATE
1	09.30.05
DESCRIPTION	
DRAWING ISSUED FOR PRODUCTION	
2	
3	
4	
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6	

THIRD ANGLE PROJECTION  
TOLERANCES (UNLESS OTHERWISE SPECIFIED)  
X & FRACTIONS  $+.02^{\circ}$   $+.5\text{mm}$   
XX  $+.01^{\circ}$   $+.25\text{mm}$   
XXX  $+.005^{\circ}$   $+.1\text{mm}$   
SURFACE FINISH: 125  
BREAK SHARP EDGES.

DRAWN: C. McKinney APPROVED:

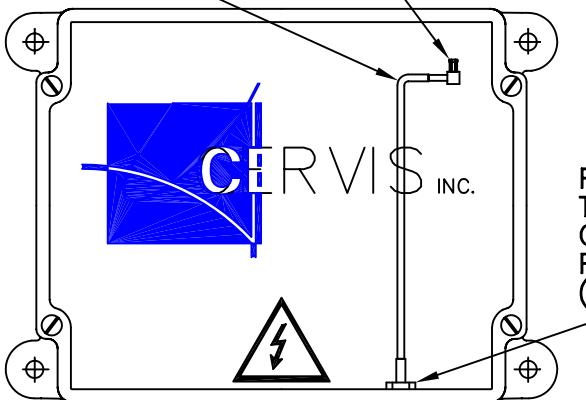
CUSTOMER: X	
DESCRIPTION: TM70/RX ANTENNA SOLUTION	
MATERIAL: N/A	
SIZE: C	REV. 1 LEVEL
SCALE: NOT TO SCALE SHEET 1 OF 1	

(724) 452-3775  
CERVIS INC.  
TM70/RX\_ANTENNA\_EXT

6 1 5 1 4 1 3 1 2 1 1 DRAWING NO. 15 XXX

RG-188 COAXIAL CABLE

MC CARD PLUG  
RIGHT ANGLE  
CONNECTOR  
PASTERNAK # PE44308, OR  
EF JOHNSON MCX133-3402-101  
(OR EQUIVALENT)



REVERSE POLARITY  
TNC FEMALE BULKHEAD  
CONNECTOR  
PASTERNAK # PE4700  
(OR EQUIVALENT)

10 FOOT PIGTAIL

REMOVABLE 1/4 WAVE  
MONOPOLE ANTENNA WITH  
REVERSE POLARITY  
TNC MALE CONNECTOR  
NEARSON S325TR-915  
(OR EQUIVALENT)

--REVISION--	
NO.	DATE
1	09.30.05
2	
3	
4	
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6 1 5 1 4 1 3 1 2 1 1

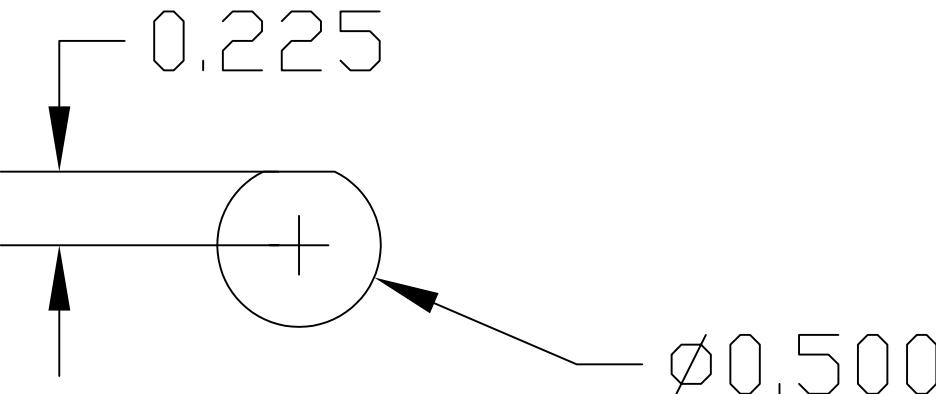
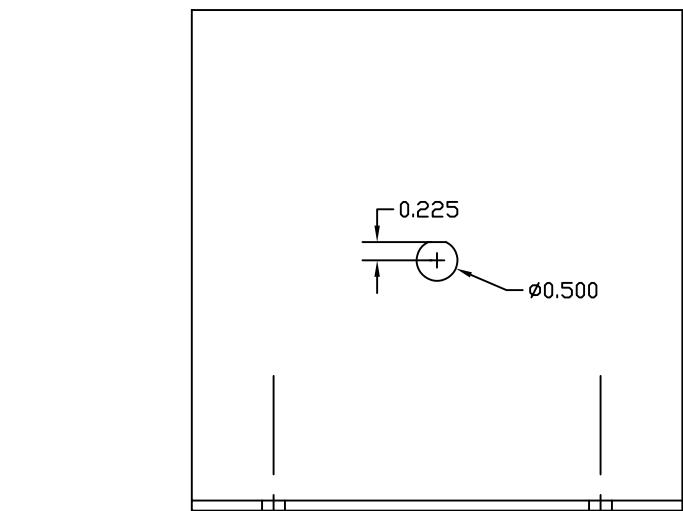
THIRD ANGLE PROJECTION  
TOLERANCES (UNLESS OTHERWISE SPECIFIED)  
X & FRACTIONS  $1/-02"$   $+/-.5mm$   
.XX  $+/-.01"$   $+/-.25mm$   
.XXX  $+/-.005"$   $+/-.1mm$   
SURFACE FINISH: 125  
BREAK SHARP EDGES.

DRAWN: C. McKinney APPROVED:

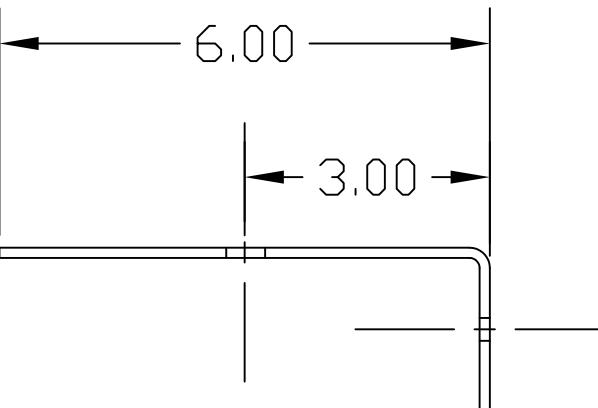
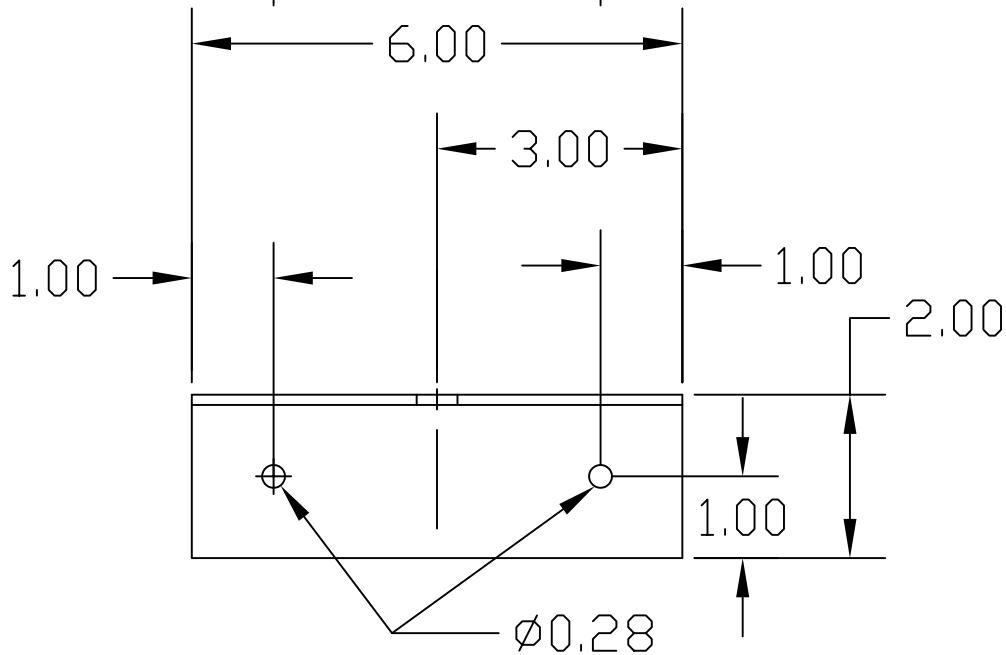
CUSTOMER: X  
DESCRIPTION: TM70/RX STANDARD ANTENNA  
MATERIAL: N/A  
SCALE: NOT TO SCALE SHEET 1 OF 1

REV. 1  
LEVEL  
(724) 452-3775  
DRAWING NO. 15 XXX  
TM70/RX\_ANTENNA\_STD





## HOLE DETAIL



--REVISION--	
NO.	DATE
1	09.30.05
	DESCRIPTION
	DRAWING ISSUED FOR PRODUCTION
2	
3	
4	
5	
6	

THIRD ANGLE PROJECTION  
 TOLERANCES (UNLESS OTHERWISE SPECIFIED)  
 .X & FRACTIONS  $1/-02"$   $+/-.5mm$   
 .XX  $+/-.01"$   $+/-.25mm$   
 .XXX  $+/-.005"$   $+/-.1mm$   
 SURFACE FINISH: 125  
 BREAK SHARP EDGES.

DRAWN: C. McKinney APPROVED:

CUSTOMER: X  
 DESCRIPTION: TM70/RX ANTENNA BRACKET  
 MATERIAL: N/A  
 SCALE: NOT TO SCALE SHEET 1 OF 1

REV. 1 /  
 LEVEL  
 (724) 452-3775  
 DRAWING NO.  
 TM70/RX\_ANTENNA\_BRKT

