



**American Telecommunications Certification Body,
Inc.
6731 Whittier Avenue
Suite C110
McLean, VA 22101
USA**

Angel Iglesias, S.A.
Paseo Miramón 170
20009 San Sebastian
SPAIN

Tel.: +34 943 448800
Fax: +34 943 448811

May 18, 2006

American Telecommunications Certification Body, Inc.
6731 Whittier Avenue
Suite C110
McLean, VA 22101

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:

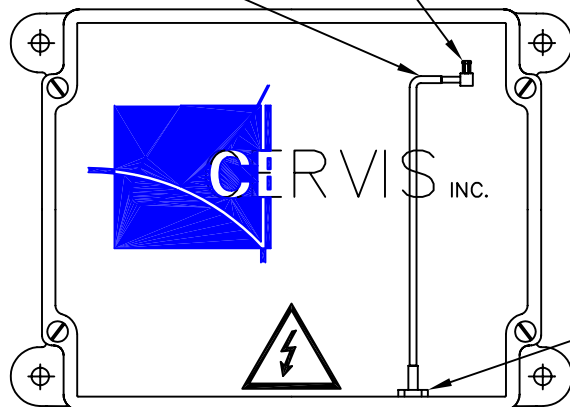
1. The TR800US's RF input/output signal is conducted to the Remote Control Receiver case wall, through a coaxial cable RG-188 ended with a MC card plug right angle connector PASTERNAK # PE44308 or EF JOHNSON MCX133-34-3402-101 or equivalent, plus a reverse polarity TNC female bulkhead connector PASTERNAK # 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 PASTERNAK # PE4664 or equivalent, plus several meter of RG58 cable, plus a reverse polarity TNC female bulkhead connector PASTERNAK # 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
PASTERNAK # PE44308, OR
EF JOHNSON MCX133-3402-101
(OR EQUIVALENT)

RG-188 COAXIAL CABLE



10 FOOT PIGTAIL

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

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

RG-58 COAXIAL CABLE

CUSTOM ANTENNA
MOUNTING BRACKET
(VENDOR TO BE DETERMINED)

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

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

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

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

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

DRAWN: C. MCKINNEY APPROVED:

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

SIZE
C
REV.
1
LEVEL

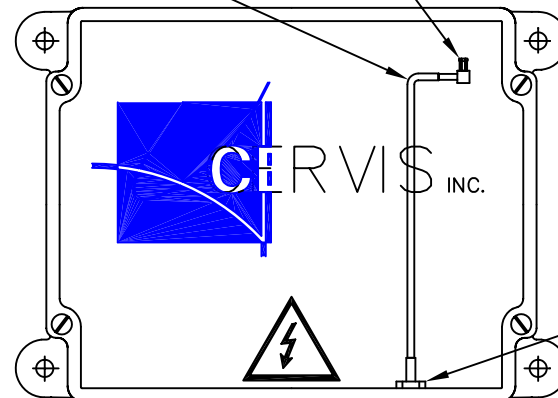
DRAWING NO.
TM70/RX_ANTENNA_EXT



(724) 452-3775

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	DESCRIPTION
1	09.30.05	DRAWING ISSUED FOR PRODUCTION
2		
3		
4		
5		
6		

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

DRAWN: C. MCKINNEY APPROVED:

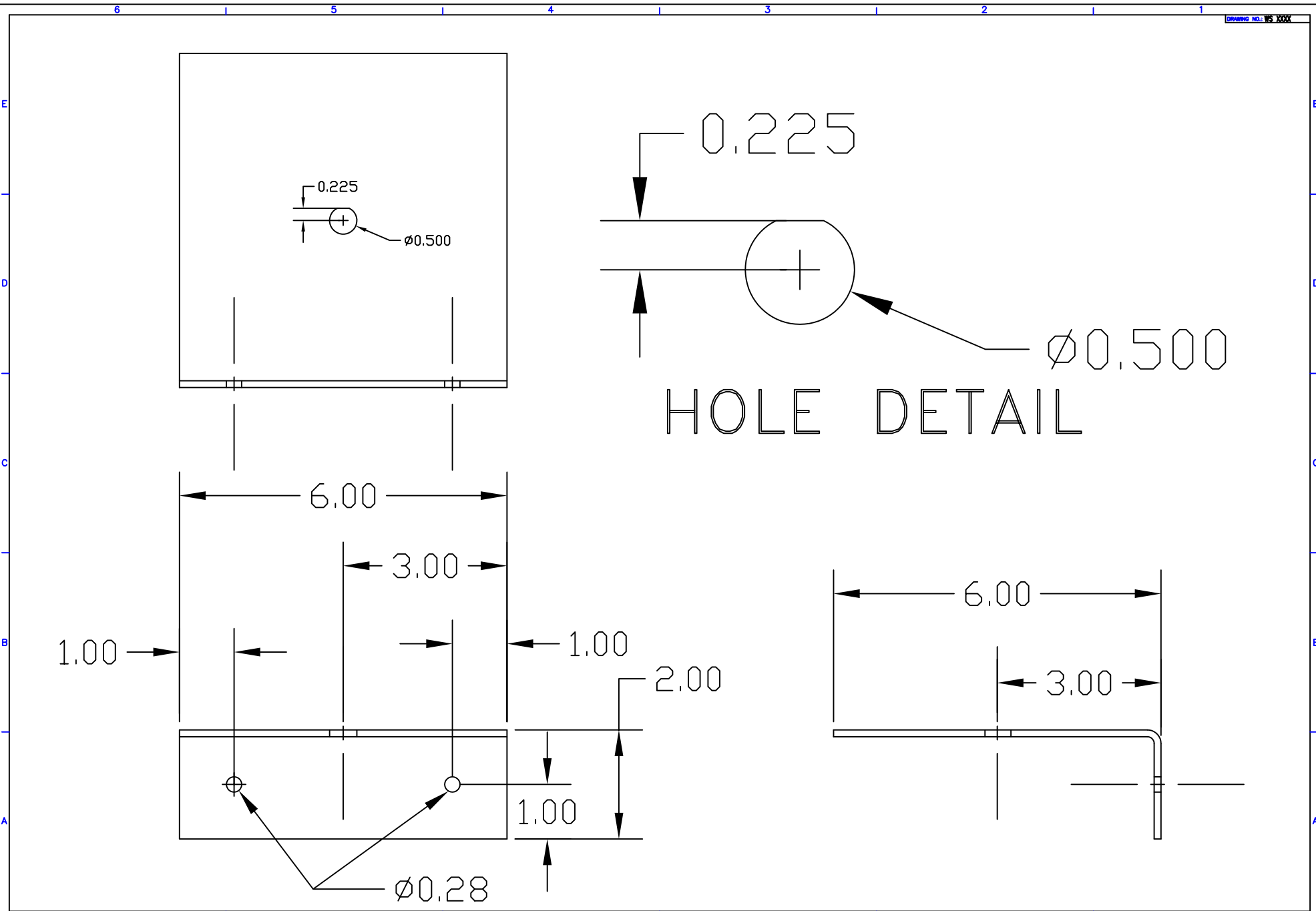
CUSTOMER: X
DESCRIPTION: TM70/RX STANDARD ANTENNA
MATERIAL: N/A

SCALE: NOT TO SCALE SHEET 1 OF 1

SIZE
C
REV.
1
LEVEL

DRAWING NO.
TM70/RX_ANTENNA_STD





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

THIRD ANGLE PROJECTION

TOLERANCES (UNLESS OTHERWISE SPECIFIED)

.X & FRACTIONS	+/- .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

SIZE
C
REV.
1
LEVEL

DRAWING NO.
TM70/RX_ANTENNA_BRKT

CERVIS INC.
(724) 452-3775