

 THOMSON PRODUCT DEVELOPMENT – REMOTE CONTROL	Page 1 of 9	DATE INDEX	September 04,2004
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SPECIFICATION FOR

AWOX RF Dongle receiver

This remote control family is approved under the responsibility of THOMSON QUALITY CENTER (TQC) based on THOMSON Green Book. This specification serves THOMSON OEM customers for general information and incoming inspection. Please revert back for changes/ comments deemed necessary.

CUSTOMER PART NUMBER: 21266580		THOMSON EQU NUMBER: 21416780	
Customer :		THOMSON Sales Representative:	
Manufacturer :	PT. Thomson Batam		
Address :	BLOK 2, KAWASAN INDUSTRI BATAMINDO, MUKAKUNING, BATAM 29433 INDONESIA		
Telephone no. :	+62-770-611178		
Fax no. :	+62-770-611736		

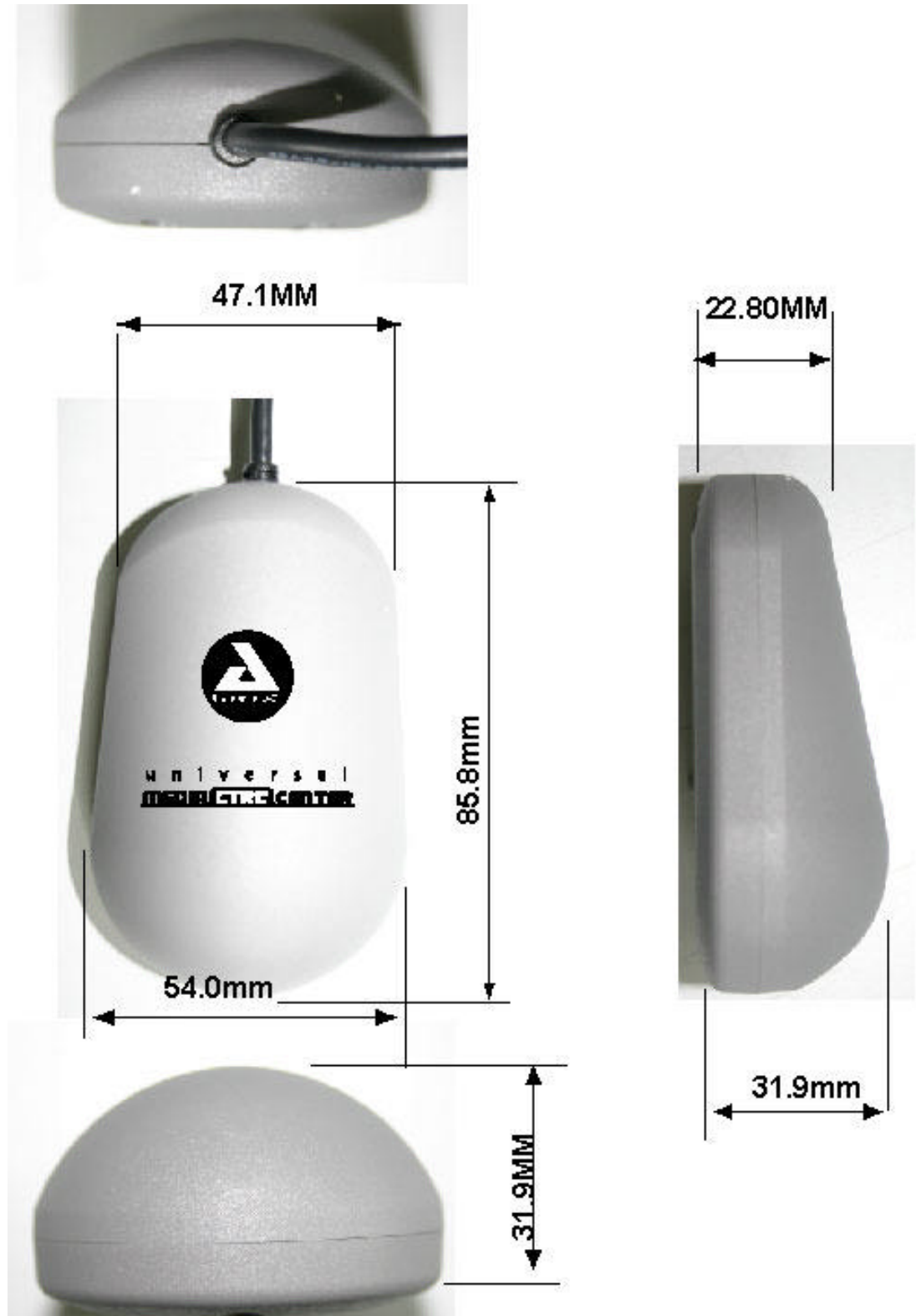
History:

Date	Index	Changes	Written	Checked

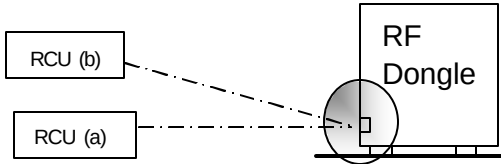
 THOMSON PRODUCT DEVELOPMENT – REMOTE CONTROL	Page 2 of 9	DATE	September 04,2004
		INDEX	

1.	GENERAL EXAMINATION			
	1.1	Operating Conditions 1.2.1 Temperature Range :- 1.2.2 Humidity Range :-	0 ~ 40 Deg. C 5 ~ 85 % RH	
		Storage Conditions		
		1.3.1 Temperature Range :-	-20 ~ 60 Deg. C	
	1.3	General Test Conditions	Supply voltage provided by new batteries of current type.	

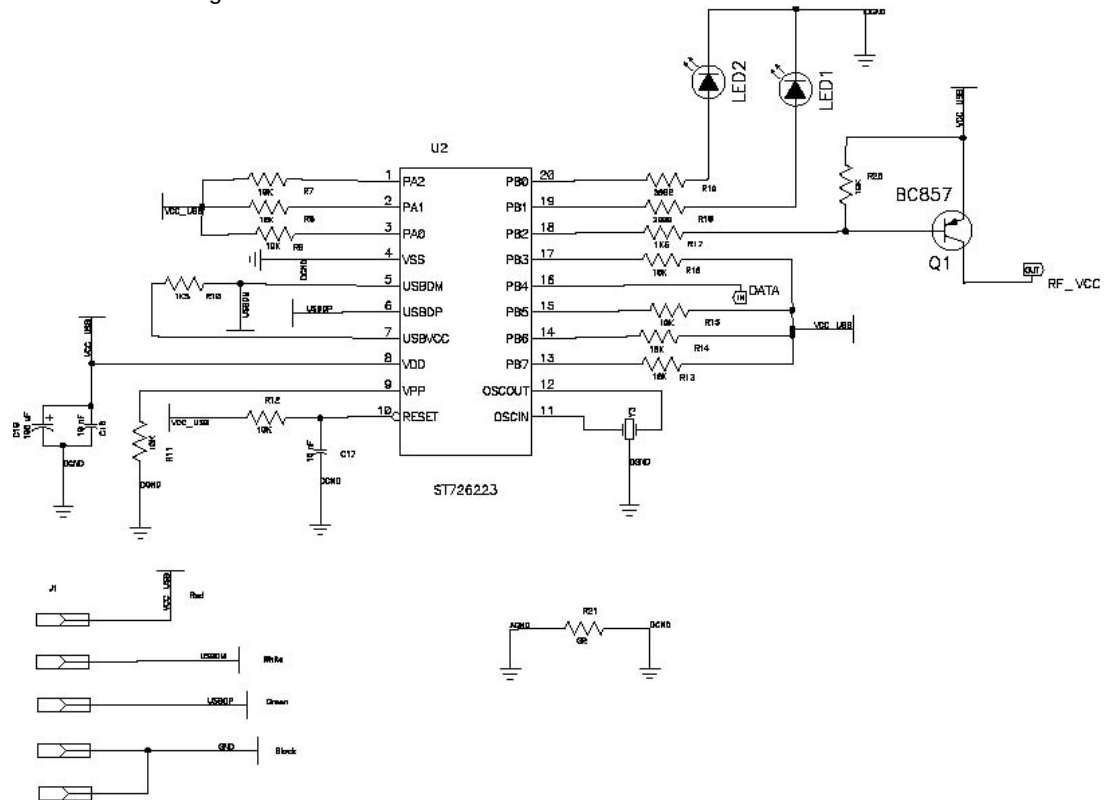
2.	APPEARANCE, STRUCTURE AND DIMENSIONS			
	2.1	Appearance :- (Check visually for the followings)		
		2.1.1 Moulding Defects :- Sinks, Short, Flash, Bloom Mark, Splash Mark, Mould Contamination, Distorsion, Weld/Flow Line, Pulls, Ejector Mark, Gas Mark, Drag Mark, De-gating, Etc.	Not to be Visible from 0.5m Viewing Distance.	In accordance to TQC Green Book FP-CH101-C, table A
		2.1.2 Print Defects :- Poor Print, Spidering, Etc Print Miss, Extraneous Ink or Ink on Paint Clarity / Blur 2.1.3 Matching of Top/Bottom Casing	Not to be Visible from 0.5m Viewing Distance. No Breakdown to be evident from 0.5m Viewing Distance. Top case and bottom case matching ± 0.3 mm	TQC Green Book FP-CH101-C, table D
	2.2	Structure	Approved by THOMSON Design Centre.	

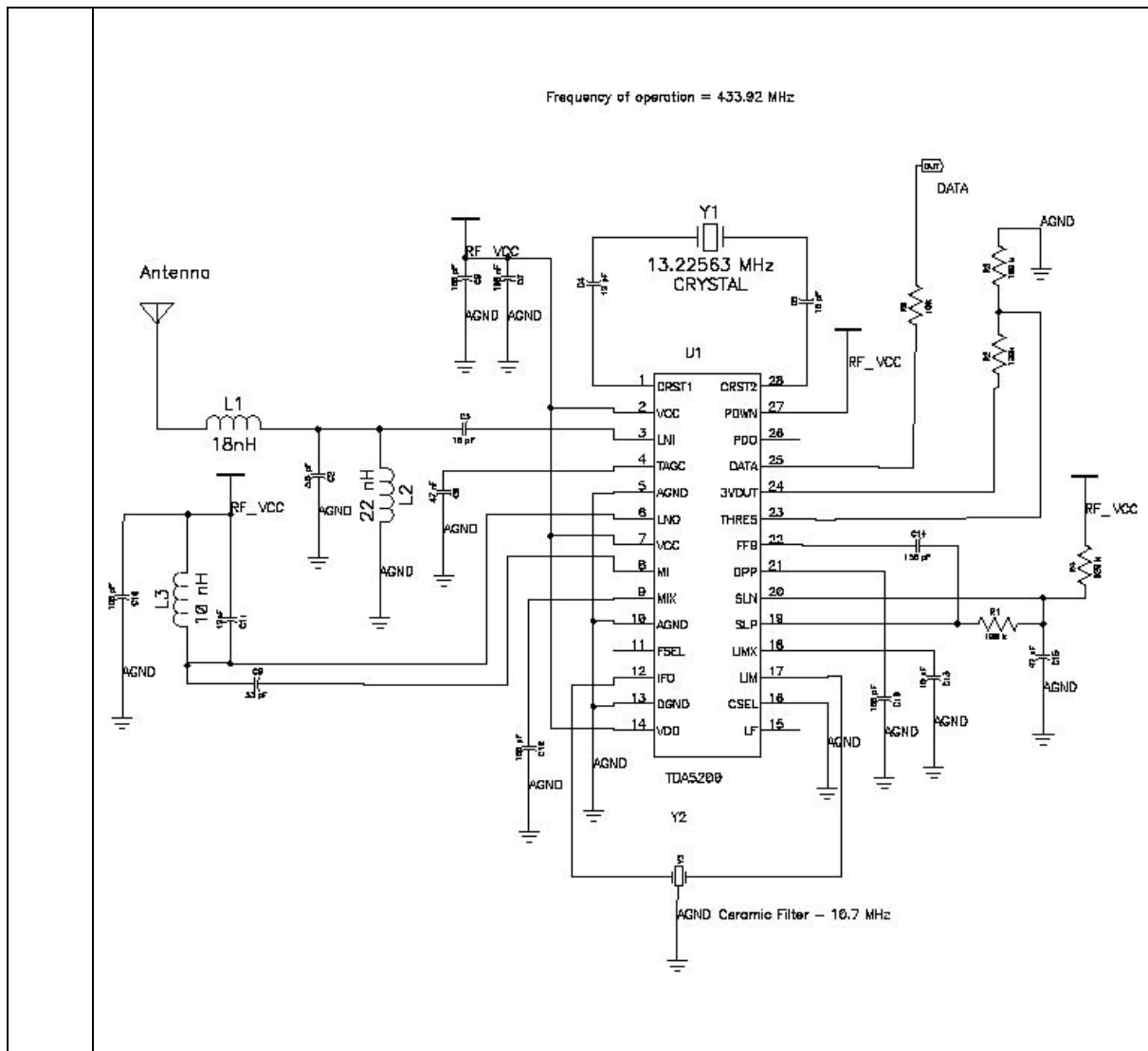


 THOMSON PRODUCT DEVELOPMENT – REMOTE CONTROL	Page 4 of 9	DATE INDEX	September 04,2004
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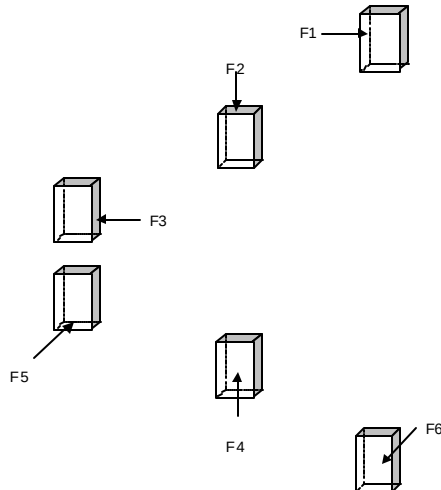
3.	ELECTRICAL PERFORMANCE			
	3.1	Operation supply voltage limits :-	DC [3 to 5.5] V	
	3.2	Run Mode supply current :-		
		RF transmission	MAX. 20 mA	
	3.3	MCU Oscillation frequency :-	6 MHz $\pm$ 5%	
	3.4	RF Receiving frequency :-	433.92 MHz $\pm$ 0.5%	
	3.6	Working distance :- 	Up to 20.0 m	Open area without obstruction

3.9 Schematic diagram





 THOMSON PRODUCT DEVELOPMENT – REMOTE CONTROL	Page 7 of 9	DATE	September 04,2004
		INDEX	

4.	MECHANICAL PERFORMANCE			
	4.1	Dimensional Test The indication, construction, colour tone and characters of each portion	In accordance with the Product Order Section 7. Approved by THOMSON Quality Centre.	In accordance to TQC Green Book FP-FRC-1100-a, unless otherwise specified.
	4.2	Mechanical Test		In accordance to TQC Green Book FP-FRC-1400-a, unless otherwise specified.
		4.2.1 Drop Test Drop height shall be 1.0 m on flat and hard surface with batteries installed. 6 flat drop on each sample as indicated. 	Operation :- Normal. There should be no damage. Structure :- No plastic / component failure, no conspicuously cracks, no peeling off. Remarks :- The loosening of batteries, battery cover and other removable parts is not considered as a damage if the device is in working order after the removable parts are put back. In case of unsnapping defect, if the unit can be easily re-snapped, then it is acceptable.	
	4.3	Climatic Test This test determines the resistance of remote control to deterioration of salt mist. Salt: dry NaCl containing > 0.1% sodium iodide and > 0.3% total impurities. 5% concentration.	Criteria :- No abnormalities such as rusting shall not occur in the appearance. No electrical and mechanical damage must be observed.	In accordance to TQC Green Book FP-FRC-1500-a, unless otherwise specified.
	4.4	Environment Test		In accordance to TQC Green Book FP-FRC-1600-a, unless otherwise specified.
		4.4.1 Operating life At 40 °C, 95%RH. 5 sec “on”; 5 sec “off”.	Duration: 1000 hrs	

5.	STORAGE TESTS		
	5.1	Cycling temperature 2 samples with packaging Temperature : -20° C 2hrs; 40° C 2hrs Duration : 250 hrs	In accordance to TQC Green Book FP-FRC-1700-a, unless otherwise specified.

 THOMSON PRODUCT DEVELOPMENT – REMOTE CONTROL	Page 8 of 9	DATE INDEX	September 04,2004
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	5.2	High temperature 2 samples with packaging Temperature : 60°C Duration : 250 hrs		
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6.	PACKING INFORMATION			
	6.1	Commercial Reference Commercial reference of the remote control is VISIBLE on the top cover.		
	6.3	Export Carton		
		6.3.1 Dimension W x H x D(mm) Internal: 583 x 266 x 318 External: 595 x 290 x 330 Total quantity packed in 1 carton Remote control: 2 x 25 = 50 pcs		
		6.3.2 Min. box compression resistance at 23 °C and 55% RH	6700N	
		6.3.3 Max. stack height	Standard container height.	
		6.3.4 Carton Label example TOCOM NO : 21421360 MODEL : RCZ160 MBM1 AWOX EPR NO : 21421360 EQU CODE : 21416780 QTY NO : 10 UNITS S/O NO : RP 603 DATE : Sept ember 09, 2004		

7. PRODUCT ORDER

THOMSON

880 DISPLAY AND COMPONENTS

THOMSON 880 TMS04 88088P

REMOTE CONTROL PRODUCT DEVELOPMENT

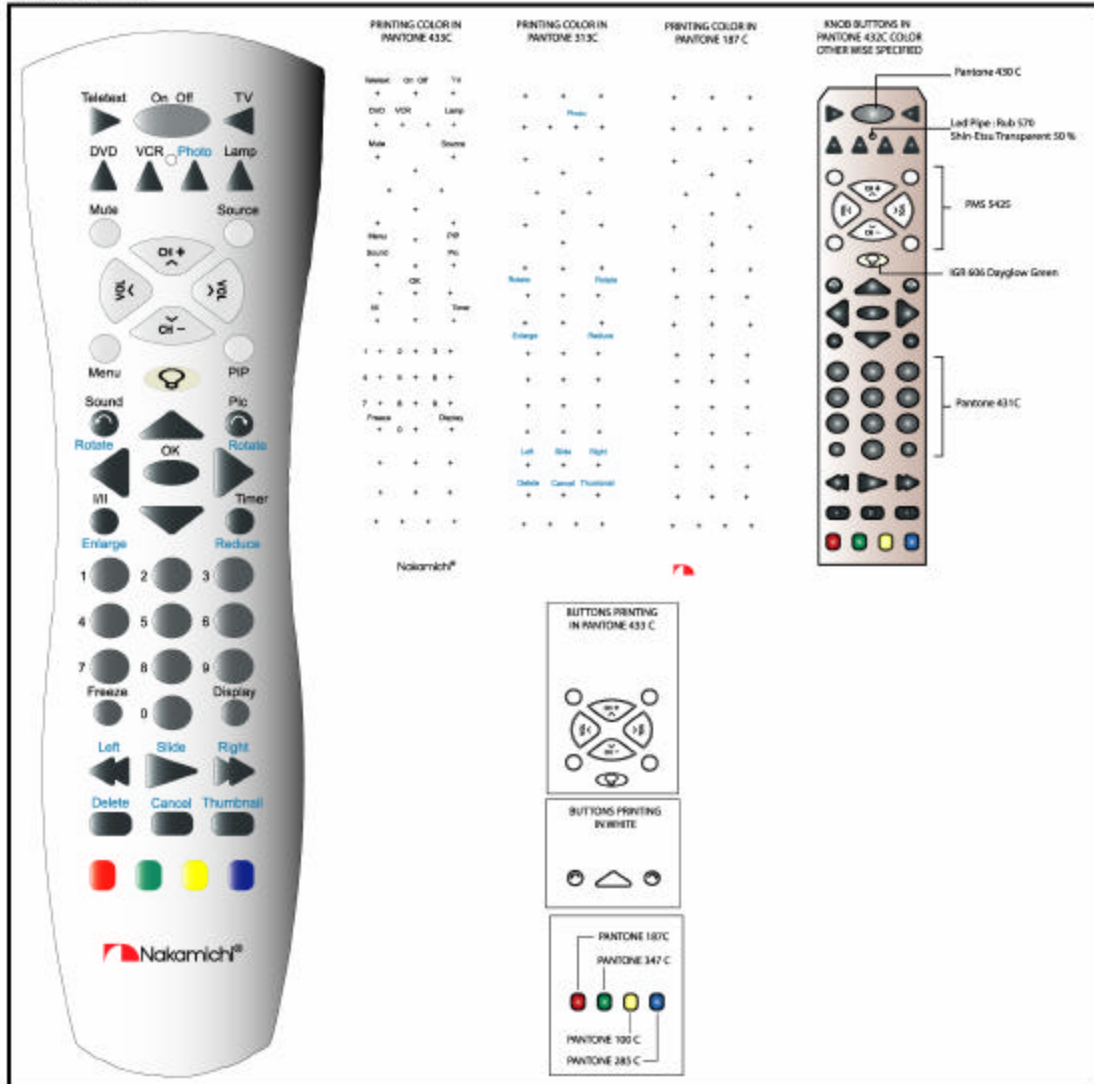
REMOTE CONTROL PRODUCT ORDER

PO NO.	R-2002-54	Factory Model	CRK7S RF EUR	End Market	EUROPE	Factory Tooom (EPR)	21266570
Creation date	Sept 27, 2002	Customer Model	NAKAMICHI	Customer		Customer Tooom (EQU)	21266590
Supercedes		Brand	NAKAMICHI	Reference		Reviewed by	M. Tale

PRODUCT INFO:

Origin	CRK7S AH1	Annual volume	?
New development	PCB, RF	Volume 1st year	?
Mother device / chassis	TV,VCR,DVD	Volume 2nd year	?
Functional Requirements	TV,VCR,DVD	Product life (Years)	?
IC type	24K ROM size, Zilog IC 286L81	Customer required MP	?
Battery type x QTY	1AA size x 2		
Remarks	Batteries are not included in packaging		

GRAPHICS / OUTLOOK:



The diagram illustrates the layout of a remote control with various buttons and their corresponding color specifications. The main layout includes buttons for Telefast, On/Off, TV, DVD, VCR, Photo, Lamp, Mute, Source, OK, Vol, Ch, Menu, PIP, Sound, PLo, Rotate, OK, Rotate, MI, Enlarge, Reduce, 1-9, Freeze, Display, Left, Slide, Right, Delete, Cancel, Thumbnail, and four colored buttons (Red, Green, Yellow, Blue). The Nakamichi logo is at the bottom.

Color specifications for button printing are provided in Pantone units:

- PRINTING COLOR IN PANTONE 433C:** Includes buttons like Next, On/Off, TV, DVD, VCR, Lamp, Mute, Source, Menu, PIP, Sound, PLo, OK, Ch, MI, Timer, 1-9, Freeze, Display, Left, Slide, Right, Delete, Cancel, Thumbnail.
- PRINTING COLOR IN PANTONE 313C:** Includes buttons like Next, On/Off, TV, DVD, VCR, Lamp, Mute, Source, Menu, PIP, Sound, PLo, OK, Ch, MI, Timer, 1-9, Freeze, Display, Left, Slide, Right, Delete, Cancel, Thumbnail.
- PRINTING COLOR IN PANTONE 187C:** Includes buttons like Next, On/Off, TV, DVD, VCR, Lamp, Mute, Source, Menu, PIP, Sound, PLo, OK, Ch, MI, Timer, 1-9, Freeze, Display, Left, Slide, Right, Delete, Cancel, Thumbnail.
- KNOB BUTTONS IN PANTONE 432C COLOR OTHER WISE SPECIFIED:** Includes buttons like Next, On/Off, TV, DVD, VCR, Lamp, Mute, Source, Menu, PIP, Sound, PLo, OK, Ch, MI, Timer, 1-9, Freeze, Display, Left, Slide, Right, Delete, Cancel, Thumbnail.

Additional color specifications for the remote control body are listed:

- Pantone 430 C
- Lead Pipe - Rub 576
- Shin-Etsu Transparent 50 %
- PMS 5425
- IGL 606 Dayglow Green
- Pantone 431C

Buttons printing in Pantone 433 C are shown in a separate section, including buttons like Next, On/Off, TV, DVD, VCR, Lamp, Mute, Source, Menu, PIP, Sound, PLo, OK, Ch, MI, Timer, 1-9, Freeze, Display, Left, Slide, Right, Delete, Cancel, Thumbnail.

Buttons printing in white are shown in a separate section, including buttons like Next, On/Off, TV, DVD, VCR, Lamp, Mute, Source, Menu, PIP, Sound, PLo, OK, Ch, MI, Timer, 1-9, Freeze, Display, Left, Slide, Right, Delete, Cancel, Thumbnail.

Buttons printing in Pantone 187C, 347 C, 190 C, and 285 C are shown in a separate section, including buttons like Next, On/Off, TV, DVD, VCR, Lamp, Mute, Source, Menu, PIP, Sound, PLo, OK, Ch, MI, Timer, 1-9, Freeze, Display, Left, Slide, Right, Delete, Cancel, Thumbnail.

THE ABOVE DRAWING IS FOR INFORMATION ONLY AND SHOULD NOT BE AN OFFICIAL REFERENCE.

REVISION HISTORY:

REVISION	CW	Date	Reason for change

 THOMSON PRODUCT DEVELOPMENT – REMOTE CONTROL	Page 1 of 14	DATE INDEX	September 15, 2004
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SPECIFICATION FOR RCZ 160 MBLM1 (AWOX) REMOTE CONTROL

This remote control family is approved under the responsibility of THOMSON QUALITY CENTER (TQC) based on THOMSON Green Book. This specification serves THOMSON OEM customers for general information and incoming inspection. Please revert back for changes/ comments deemed necessary.

CUSTOMER PART NUMBER: 21409180		THOMSON EPR NUMBER: 21409170
Customer :		THOMSON Sales Representative:
Manufacturer :	PT. Thomson Batam	
Address :	BLOK 2 , KAWASAN INDUSTRI BATAMINDO, MUKAKUNING, BATAM 29433 INDONESIA	
Telephone no. :	+62-770-611178	
Fax no. :	+62-770-611736	

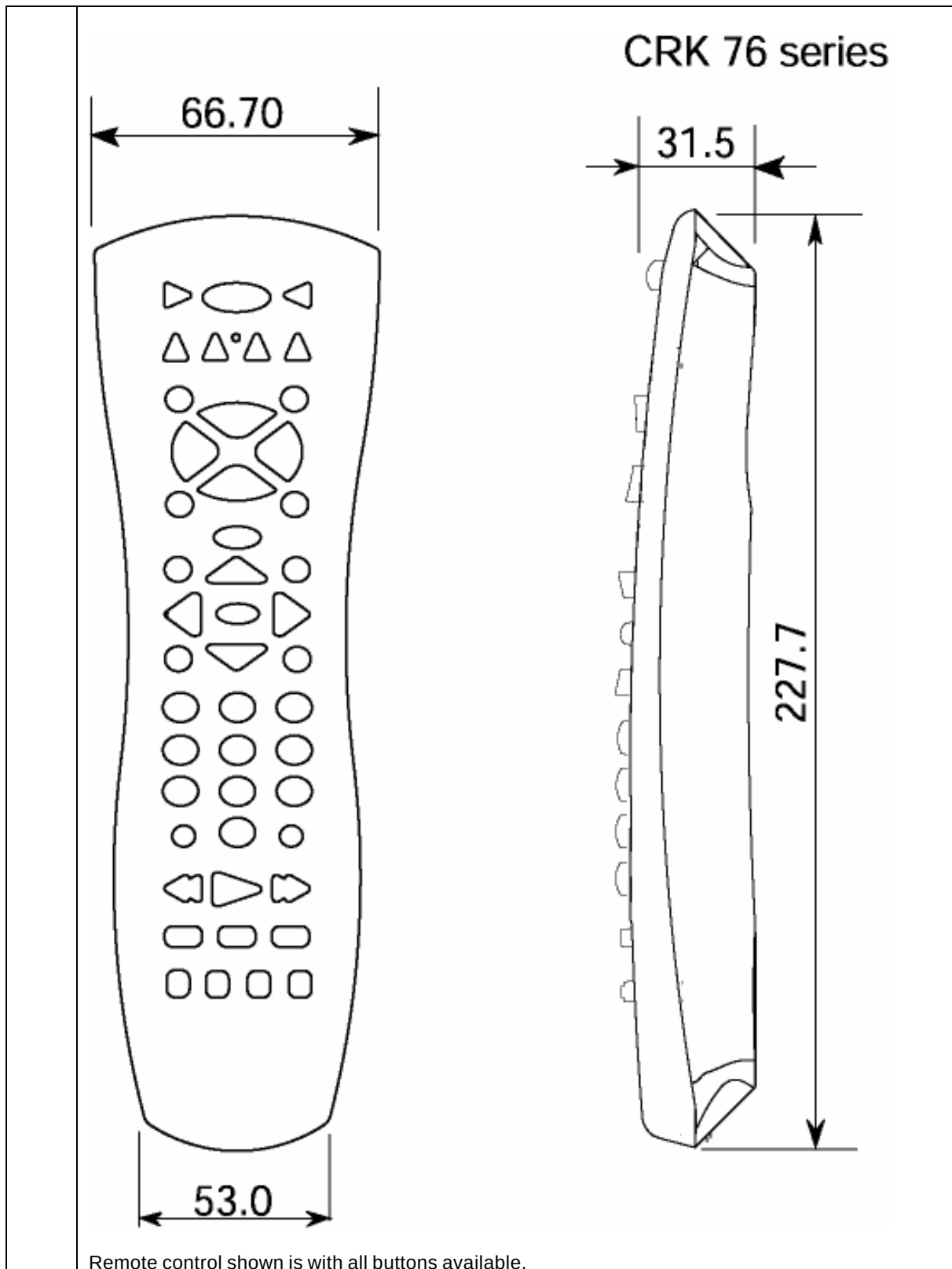
History:

Date	Index	Changes	Written	Checked

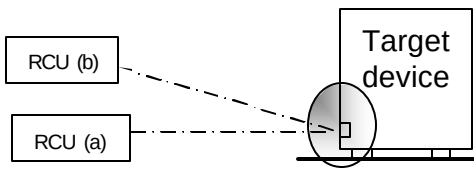
 THOMSON PRODUCT DEVELOPMENT – REMOTE CONTROL	Page 2 of 14	DATE INDEX	September 15, 2004
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1.	GENERAL EXAMINATION			
	1.1	Operating Conditions		
		1.2.1 Temperature Range :-	0 ~ 40 Deg. C	
		1.2.2 Humidity Range :-	5 ~ 85 % RH	
	1.2	Storage Conditions		
		1.3.1 Temperature Range :-	-20 ~ 60 Deg. C	
	1.3	General Test Conditions	Supply voltage provided by new batteries of current type.	
	1.4	Battery type :-	Size "AA" x 2	

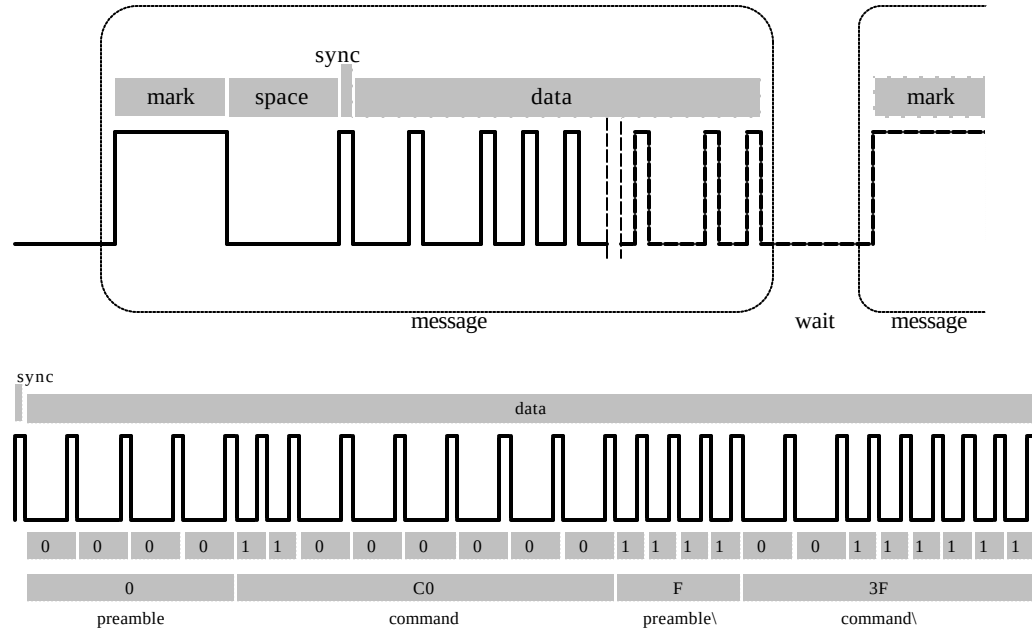
2.	APPEARANCE, STRUCTURE AND DIMENSIONS			
	2.1	Appearance :- (Check visually for the followings)		
		2.1.1 Moulding Defects :- Sinks, Short, Flash, Bloom Mark, Splash Mark, Mould Contamination, Distorsion, Weld/Flow Line, Pulls, Ejector Mark, Gas Mark, Drag Mark, De-gating, Etc.	Not to be Visible from 0.5m Viewing Distance.	In accordance to TQC Green Book FP-CH101-C, table A
		2.1.2 Print Defects :- Poor Print, Spidering, Etc Print Miss, Extraneous Ink or Ink on Paint Clarity / Blur	Not to be Visible from 0.5m Viewing Distance. No Breakdown to be evident from 0.5m Viewing Distance.	TQC Green Book FP-CH101-C, table D
		2.1.3 Matching of Top/Bottom Casing	Top case and bottom case matching ± 0.3 mm	
		2.1.4 RCU / Matt / Print Colour	As specified in Product Order at Section 7	
	2.2	Structure	Approved by THOMSON Design Centre.	



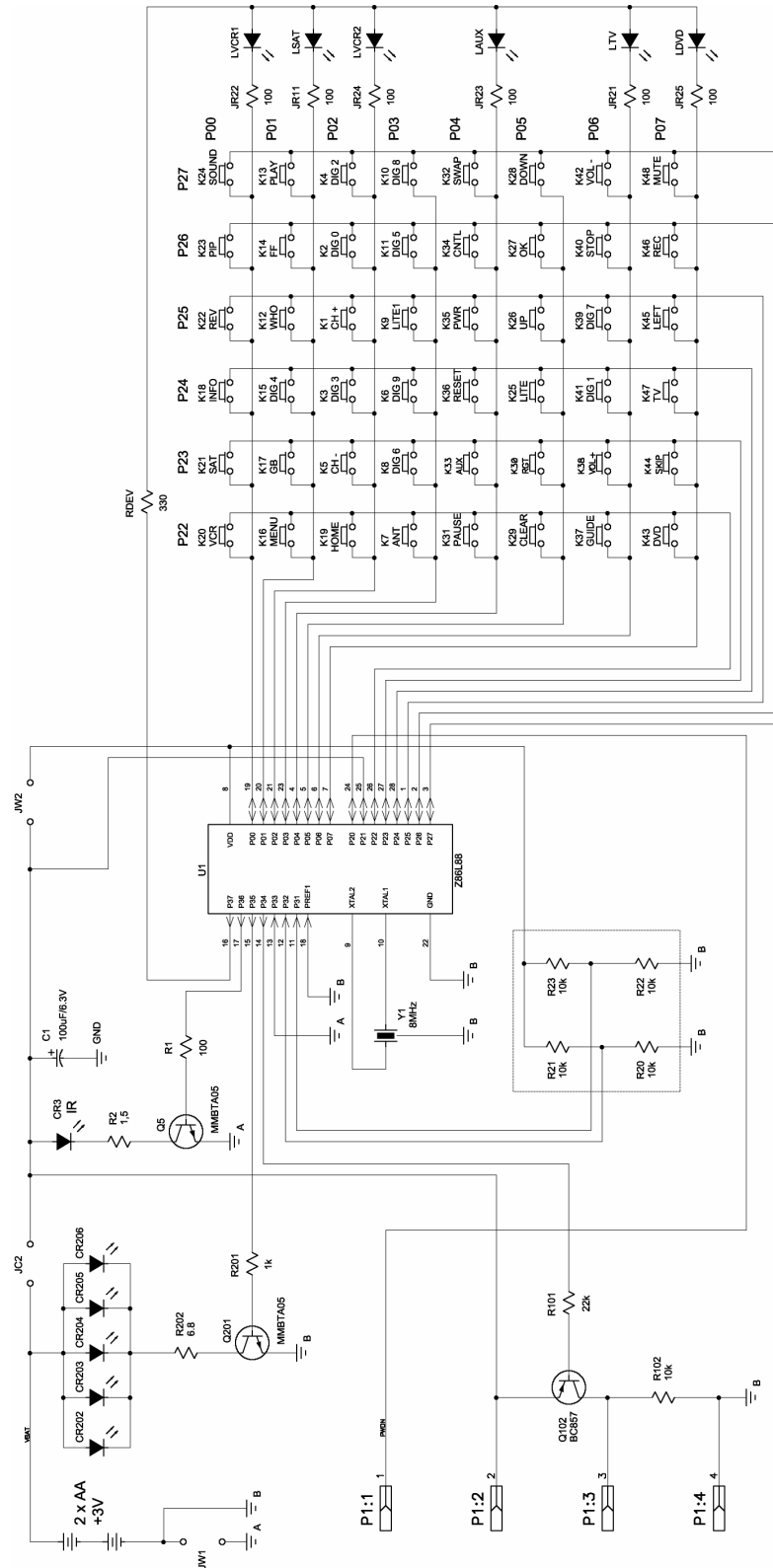
 THOMSON PRODUCT DEVELOPMENT – REMOTE CONTROL	Page 4 of 14	DATE INDEX	September 15, 2004
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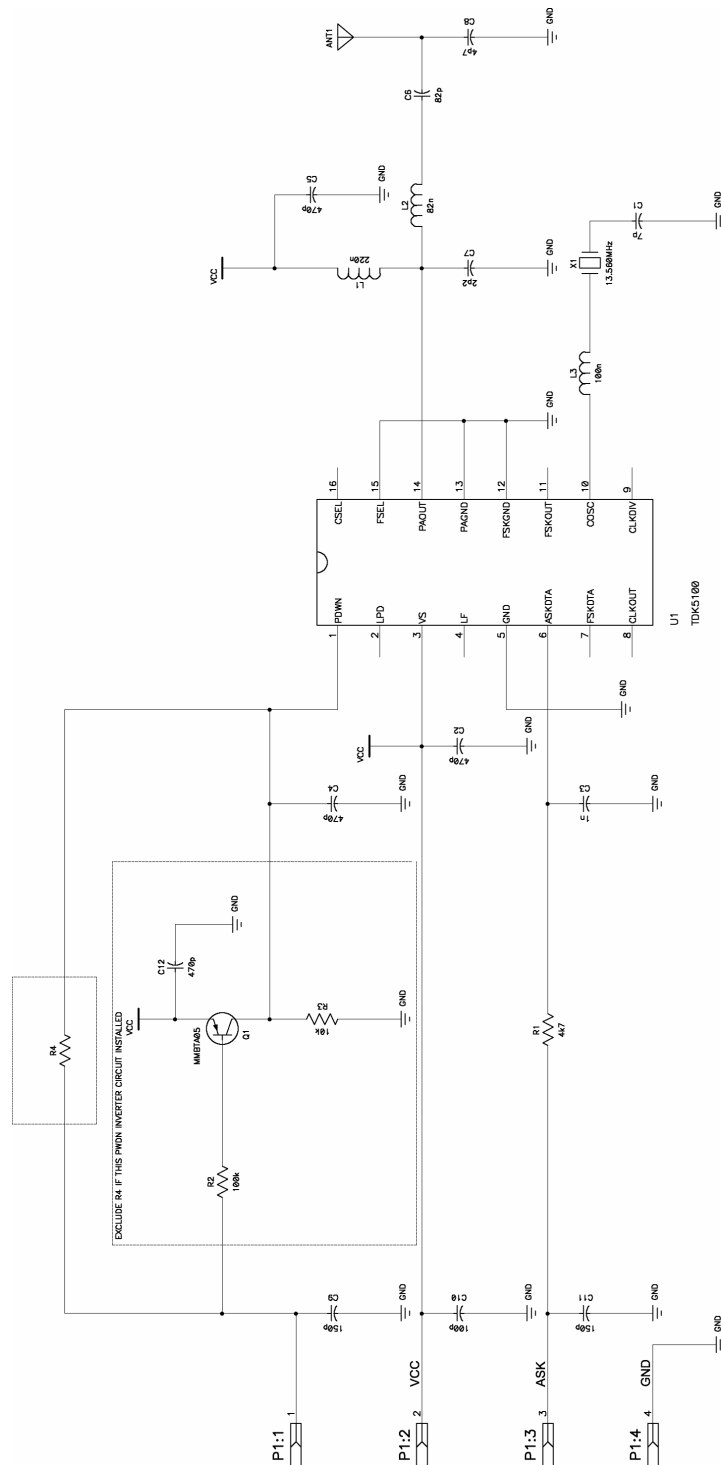
3.	ELECTRICAL PERFORMANCE		
	3.1	Operation supply voltage limits :-	DC [2.4 ~ 3.2] V
	3.2	Standby current :-	MAX. 8 μ A
	3.3	Run Mode supply current :-	
		IR & RF transmission + Backlite LED ON	MAX. 150 mA
	3.4	Oscillation frequency :-	8 MHz $\pm$ 5%
	3.5	IR carrier frequency :-	56.875 KHz $\pm$ 5%
	3.6	RF Transmitting frequency :-	433.92 MHz $\pm$ 0.5%
	3.7	Working distance :- a. on axis b. $\pm 20^\circ$ (emitter rotation angle) 	MIN. 10.0 m 4.0 m Using TEMIC IR receiver of appropriate type.
	3.7	Functional test All must function according to Product Order IR code listed on Section 7 of this specification.	In accordance to TQC Green Book FP-FRC-1300-a, unless otherwise specified.

3.8 IR coding format



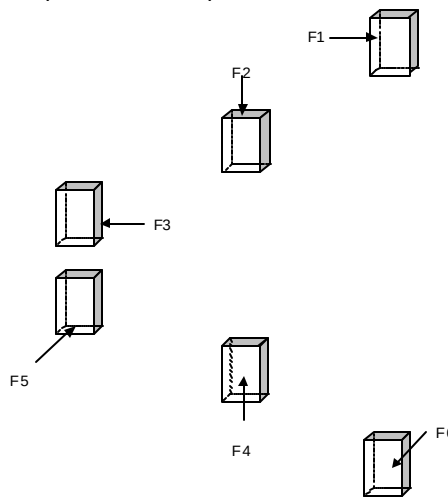
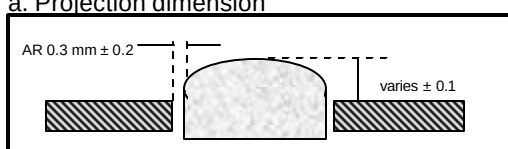
3.9 Schematic diagram





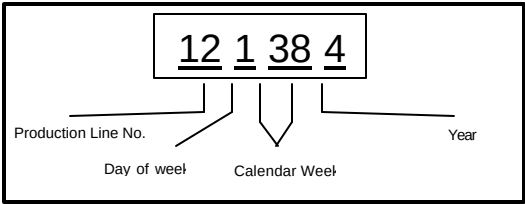
**433.92MHz
RF TRANSMITTER**

 THOMSON PRODUCT DEVELOPMENT – REMOTE CONTROL	Page 8 of 14	DATE	September 15, 2004
		INDEX	

4.	MECHANICAL PERFORMANCE			
	4.1	Dimensional Test The indication, construction, colour tone and characters of each portion	In accordance with the Product Order Section 7. Approved by THOMSON Quality Centre.	In accordance to TQC Green Book FP-FRC-1100-a, unless otherwise specified.
	4.2	Mechanical Test		In accordance to TQC Green Book FP-FRC-1400-a, unless otherwise specified.
		4.2.1 Drop Test Drop height shall be 1.0 m on flat and hard surface with batteries installed. 6 flat drop on each sample as indicated. 	Operation :- Normal. There should be no damage. Structure :- No plastic / component failure, no conspicuously cracks, no peeling off. Remarks :- The loosening of batteries, battery cover and other removable parts is not considered as a damage if the device is in working order after the removable parts are put back. In case of unsnapping defect, if the unit can be easily re-snapped, then it is acceptable.	
	4.3	Climatic Test This test determines the resistance of remote control to deterioration of salt mist. Salt: dry NaCl containing > 0.1% sodium iodide and > 0.3% total impurities. 5% concentration.	Criteria :- No abnormalities such as rusting shall not occur in the appearance. No electrical and mechanical damage must be observed.	In accordance to TQC Green Book FP-FRC-1500-a, unless otherwise specified.
	4.4	Environment Test		In accordance to TQC Green Book FP-FRC-1600-a, unless otherwise specified.
		4.4.1 Operating life At 40 °C, 95%RH. 5 sec “on”; 5 sec “off”.	Duration: 1000 hrs	
	4.5	Others		
		Push Buttons a. Projection dimension  b. Reliability 200,000 movements on + and – keys. Frequency: 0.5 Hz Strength: 1.5 N ± 20% Duty cycle: 50%	To be free from extreme changes or abnormality in appearance	

 THOMSON PRODUCT DEVELOPMENT – REMOTE CONTROL	Page 9 of 14	DATE	September 15, 2004
		INDEX	

5.	STORAGE TESTS		
	5.1	Cycling temperature 2 samples with packaging Temperature : -20° C 2hrs; 40° C 2hrs Duration : 250 hrs	In accordance to TQC Green Book FP-FRC-1700-a, unless otherwise specified.
	5.2	High temperature 2 samples with packaging Temperature : 60° C Duration : 250 hrs	

6.	PACKING INFORMATION		
	6.1	Commercial Reference Commercial reference of the remote control is VISIBLE on the top cover.	
	6.2	Date Code The remote control production date code that labelled on the battery cover is defined as : 	
	6.3	Export Carton	
		6.3.1 Dimension W x H x D(mm) Internal: 583 x 266 x 318 External: 595 x 290 x 330 Total quantity packed in 1 carton Remote control: 2 x 25 = 50 pcs	
		6.3.2 Min. box compression resistance at 23 °C and 55% RH	6700N
		6.3.3 Max. stack height	Standard container height.
		6.3.4 Carton Label example TOCOM NO : 21409170 MODEL : RCZ 160 MBLM1 (AWOX) EPR NO : 21409170 EQU CODE : 21409180 QTY NO : 50 UNITS S/O NO : RP 603 DATE : Sept ember 18, 2004 BATTERIES ARE INCLUDED	Customer part number.

7. PRODUCT ORDER

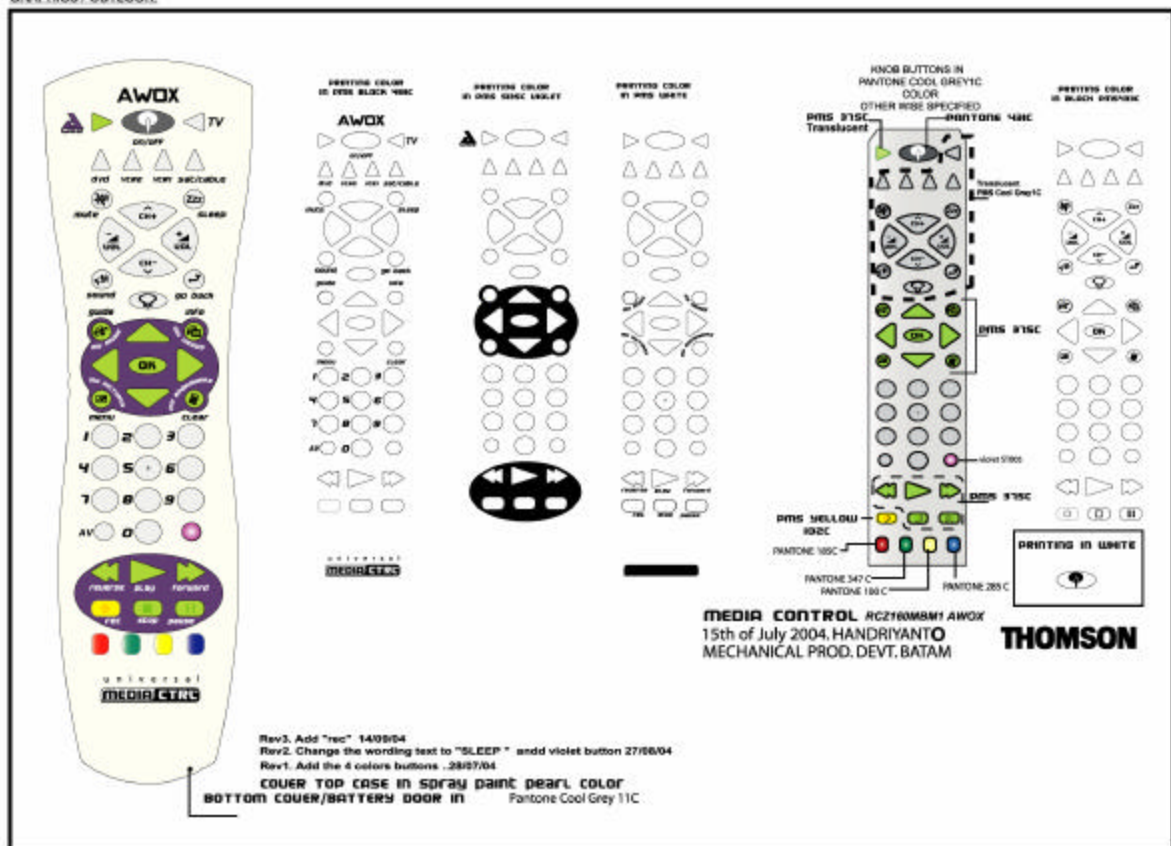
REMOTE CONTROL PRODUCT ORDER

THOMSON						
RFU DISPLAY AND COMPONENTS						
REMOTE CONTROL PRODUCT DEVELOPMENT						
PO NO.	R-2004-30	Factory Model	RCZ 180 MSLM1	End Market	EUROPE	
Create date	August, 2004	Customer Model	AVGX	Customer		Factory Team (EPR)
Supercedes		Brand	MEDIA CONTROL	Reference		Customer Team (EQU)
						Reviewed by
						M. Telle

PRODUCT INFO:

Origin	NEW MODEL	Annual volume	15K
New development	SOFTWARE, ELECTRICAL AND MECHANICAL	Volume 1st year	5K
Mother device / chassis	AWOX (dedicated), TY (multi-brand), DVD, (multi-brand), VCR (multi-brand), VCR2 (multi-brand), SAT+CABLE (multi-brand)	Volume 2nd year	2K
Functional Requirements	-	Product life (Years)	2 years
IC type	32K ROM size, Zilog IC Z86L86	Customer required MP	
Battery type x QTY	'AA' size x 2		20 Sept '04
Remarks	Batteries are Included in packaging		

GRAPHICS / OUTLOOK:



THE ABOVE DRAWING IS FOR INFORMATION ONLY AND SHOULD NOT BE AN OFFICIAL REFERENCE.

REVISION HISTORY

REVISION	CW	Date	Reason for change
			Rev3. Add "rec" 14/09/04
			Rev2. Change the wording text to "SLEEP " andd violet button 27/08/04
			Rev1. Add the 4 colors buttons. 28/07/04

Document prepared by: PRODUCT DEVELOPMENT. Any queries or feedback?
Contact: Handriyanto at handri@thruuk.com.sg

 THOMSON PRODUCT DEVELOPMENT – REMOTE CONTROL	Page 11 of 14	DATE	September 15, 2004
		INDEX	

Default USA Remote (RCR160MAML1 (RCA brand))Function table

AWOX Remote	Punch Through	TV (RCA)	VCR1 (RCA)	AWOX (RCA)	DVD (RCA)	VCR2 (RCA)	SAT/CABLE (RCA)
IR / RF	-	U.IR	U.IR	IR / RF	U. IR	U. IR	U.IR
On Off	-	0D5	1D5	4D5	AD5	2D5	8D5
AWOX	Yes	4C5	4C5	4C5	4C5	4C5	4C5
TV (IR Only)	Yes	0C5	0C5	0C5	0C5	0C5	0C5
DVD (IR Only)	Yes	AC5	AC5	AC5	AC5	AC5	AC5
VCR1 (IR Only)	Yes	1C5	1C5	1C5	1C5	1C5	1C5
VCR2 (IR Only)	Yes	2C5	2C5	2C5	2C5	2C5	2C5
SAT/CABLE (IR only)	Yes	8C5	8C5	8C5	8C5	8C5	8C5
Mute	Some	0C0	0C0	4C0	0C0	0C0	0C0
Skip	-	0AC	1AC	4AC	AAC	2AC	8AC
Sound	-	0A5	1A5	4A5	A4F	2A5	84F
Go back	-	0D8	1D8	4D8	AD8	2D8	8D8
CH +	-	0D2	1D2	4D2	ADF	2D2	8D2
CH -	-	0D3	1D3	4D3	ADD	2D3	8D3
VOL +	Some	0D0	0D0	4D0	0D0	0D0	0D0
VOL -	Some	0D1	0D1	4D1	0D1	0D1	0D1
Back light	Yes	0E1	0E1	4E1	0E1	0E1	0E1
Guide	-	0E5	1E5	4E5	AE5	2E5	8E5
Info	-	0C3	1C3	4C3	AC3	2C3	8C3
Menu	-	0F7	1F7	4F7	AF7	2F7	8F7
	-	0F9	1F9	4F9	AF9	2F9	8F9
Clear							
Up	-	0A6	1A6	4A6	AA6	2A6	8A6
Down	-	0A7	1A7	4A7	AA7	2A7	8A7
Left	-	0A9	1A9	4A9	AA9	2A9	8A9
Right	-	0A8	1A8	4A8	AA8	2A8	8A8
OK	-	00B	10B	40B	A0B	20B	80B
0	-	0CF	1CF	4CF	ACF	2CF	8CF
1	-	0CE	1CE	4CE	ACE	2CE	8CE
2	-	0CD	1CD	4CD	ACD	2CD	8CD
3	-	0CC	1CC	4CC	ACC	2CC	8CC
4	-	0CB	1CB	4CB	ACB	2CB	8CB
5	-	0CA	1CA	4CA	ACA	2CA	8CA
6	-	0C9	1C9	4C9	AC9	2C9	8C9
7	-	0C8	1C8	4C8	AC8	2C8	8C8
8	-	0C7	1C7	4C7	AC7	2C7	8C7
9	-	0C6	1C6	4C6	AC6	2C6	8C6
Antenna	-	0FA	1FA	4FA	AFA	2FA	8FA
Input	-	05C	1B8	45C	AB8	2B8	85C
REVERSE	-	0E2	1E2	4E2	AE2	2E2	8E2
PLAY	-	0EA	1EA	4EA	AEA	2EA	8EA
FORWARD	-	0E3	1E3	4E3	AE3	2E3	8E3
RECORD	-	0E8	1E8	4E8	AE8	2E8	8E8
STOP	-	0E0	1E0	4E0	AE0	2E0	8E0
PAUSE	-	0E6	1E6	4E6	AE6	2E6	8E6

Note

- All the punch through keycode remains the same in TV, AWOX, DVD/CD, SAT/CABLE, VCR1, and VCR2 modes.
- The "NC" in the box indicate that no keycode

 THOMSON PRODUCT DEVELOPMENT – REMOTE CONTROL	Page 12 of 14	DATE INDEX	September 15, 2004
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Default signal format, USA version:

- AWOX – RCA Preamble 4
- TV – RCA preamble 0
- VCR1 – RCA preamble 1
- VCR2 – RCA preamble 2
- DVD – RCA preamble A
- SAT/CABLE - RCA preamble 8

 THOMSON PRODUCT DEVELOPMENT – REMOTE CONTROL	Page 13 of 14	DATE	September 15, 2004
		INDEX	

Default EUROPE Remote (RCT160MBML1 (Thomson brand) and RCZ160MBML1 (AWOX brand))
Function table

AWOX Remote	Punch Through	TV	VCR1	DVD	SAT-CABLE	AWOX (RCA)	VCR2
IR / RF	-	U.IR	U.IR	U. IR	U. IR	IR / RF	U. IR
On Off	-	31D	01D	41D	C1D	RCA 4D5	11D
AWOX	Yes	RCA 4C5	RCA 4C5	RCA 4C5	RCA 4C5	RCA 4C5	RCA 4C5
TV (IR Only)	Yes	32F R2000 + 0C5 RCA	32F R2000 + 0C5 RCA	32F R2000 + 0C5 RCA	32F R2000 + 0C5 RCA	32F R2000 + 0C5 RCA	32F R2000 + 0C5 RCA
DVD (IR only)	Yes	44F R2000+ AC5 RCA	44F R2000+ AC5 RCA	44F R2000+ AC5 RCA	44F R2000+ AC5 RCA	44F R2000+ AC5 RCA	44F R2000+ AC5 RCA
VCR1 (IR only)	Yes	04F R2000 + 1C5 RCA	04F R2000 + 1C5 RCA	04F R2000 + 1C5 RCA	04F R2000 + 1C5 RCA	04F R2000 + 1C5 RCA	04F R2000 + 1C5 RCA
VCR2 (IR only)	Yes	14F R2000 + 1C5 RCA	14F R2000 + 1C5 RCA	14F R2000 + 1C5 RCA	14F R2000 + 1C5 RCA	14F R2000 + 1C5 RCA	14F R2000 + 1C5 RCA
SAT/CABLE (IR only)	Yes	C4F R2000 +8C5 RCA	C4F R2000 +8C5 RCA	C4F R2000 +8C5 RCA	C4F R2000 +8C5 RCA	C4F R2000 +8C5 RCA	C4F R2000 +8C5 RCA
Mute	Some	305	305	305	305	4C0 RCA	305
Sleep		33A	NC	NC	C3A	4F8 RCA	NC
Sound	-	339	039	439	C39	4A5 RCA	139
Go back RETURN	-	328	028	429	C28	4D8 RCA	128
CH + PR+	-	325	029	427	C25	4D2 RCA	129
PR-	-	327	02A	428	C27	4D3 RCA	12A
VOL +	Some	329	329	329	329	4D0 RCA	329
VOL -	Some	32A	32A	32A	32A	4D1 RCA	32A
Backlight (IR for factory use)	Yes	R2000 36E	R2000 36E	R2000 36E	R2000 36E	4E1 RCA	R2000 36E
Guide	-	338	038	414 INFO	C15	4E5 RCA	138
Info	-	315	015	415 GUIDE	C3E	4C3 RCA	115
Menu	-	331	031	419	C19	4F7 RCA	131
Clear EXIT	-	33E	03E	43D	C3D	4F9 RCA	13E
Up	-	30B	034	434	C34	4A6 RCA	134
Down	-	30D	035	435	C35	4A7 RCA	135
Left	-	336	036	436	C36	4A9 RCA	136
Right	-	337	037	437	C37	4A8 RCA	137
OK	-	30C	033	433	C33	40B RCA	133

 THOMSON PRODUCT DEVELOPMENT – REMOTE CONTROL	Page 14 of 14	DATE INDEX	September 15, 2004
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0	-	30E	00E	40E	C0E	4CF RCA	10E
1	-	300	000	400	C00	4CE RCA	100
2	-	308	008	408	C08	4CD RCA	108
3	-	310	010	410	C10	4CC RCA	110
4	-	301	001	401	C01	4CB RCA	101
5	-	309	009	409	C09	4CA RCA	109
6	-	311	011	411	C11	4C9 RCA	111
7	-	302	002	402	C02	4C8 RCA	102
8	-	30A	00A	40A	C0A	4C7 RCA	10A
9	-	312	012	412	C12	4C6 RCA	112
Antenna2	=	NC?	NC?	NC?	NC?	4EA RCA	NC?
Input AV	-	318	018	41A	C2E	45C RCA	118
REWIND REVERSE	-	320	01F	41F	C1F	4E2 RCA	11F
PLAY	-	321	020	420	C20	4EA RCA	120
FORWARD	-	323	021	421	C21	4E3 RCA	121
RECORD	-	32C	023	43E	C23	4E8 RCA	123
STOP	-	32D	024	424	C24	4E0 RCA	124
PAUSE	-	32E	022	418	C22	4E6 RCA	122
Red	-	339	039	439 AUDIO	C0D RED	460 RCA	139
Green	-	33B	03B	41B SUBTITLE	C1A GREEN	461 RCA	13B
Yellow	-	338	038	4 14 INFO	C32 YELLOW	45D RCA	138
Blue	-	315	015	415 GUIDE	C1C BLUE	45E RCA	115
MAGENTA	-	31E Teletext ON (Magenta)	01E	417 ANGLE	C1E MAGENTA	404 RCA	11E
AWOX Remote	Punch Throu gh	TV	VCR1	DVD	SAT- CABLE	AWOX (RCA)	VCR2

Default signal format, Europe version:

- AWOX – RCA Preamble 4
- TV – R2000 3 preamble
- VCR1 – R2000 0 preamble
- VCR2 – R2000 1 preamble
- DVD – R2000 4 preamble
- SAT/CABLE – R2000 C preamble (satellite)