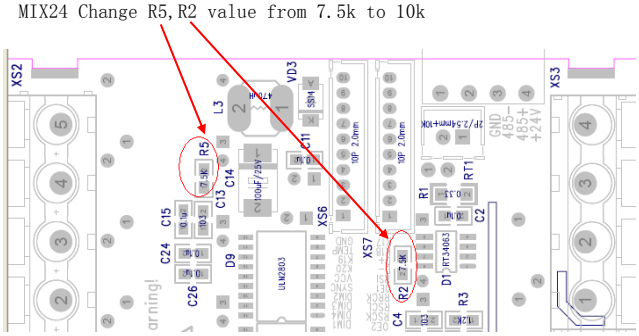
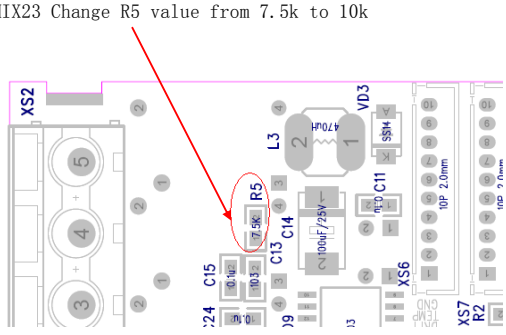
Test Report

Date: 1.16,2014

Model	SB-MIX23-DN (1 PCS) ; SB-MIX24-DN (4 PCS)						
Purpose	1. Check Mix23/24 Module Relay Chanel no giving out bug by customer feedback ; 2. Life test;						
Condition & Methods	Location: Test Room ; Room Temperature: 17-23℃						
	Devices: 95W lamp; Mix24 Test jig(1w lamp); Thermometer;						
	Soft: Test Program for LED on/off (1.5 S ON , 1.5S OFF)						
	Method1: no change relay power supply voltage (9.8v); Method2: change relay power supply voltage (11.7v);						
Data	Days / Item		1	2	3	4	5	Load & Remark
	Method1	23#1	OK	OK	OK			Relay chanel 1-7 95w lamp
		24#1	0.5h: Relay Page2 ch 8 NG 1h: Relay Page2 ch 8 NG Relay Page1 ch 7 NG 24h: Relay Page2 ch 8 NG Relay Page1 ch 7 NG	\	\	\	\	all chanel 95w lamp
		24#2	2h: Relay Page1 ch 12 NG 24h: Relay Page1 ch 12 NG	\	\	\	\	all chanel 1w lamp(test jig)
		24#3	OK	OK	OK			days 1/2 : all chanel 95w lamp days 3/4/5 : two Relay chanel 95w lamp,other chanel no-load(p1 ch9, p2 ch8)
		24#4	4h: Relay Page1 ch 6 NG Relay Page2 ch 8 NG 24h: Relay Page1 ch 6 NG Relay Page2 ch 8 NG	\	\	\	\	all chanel 1w lamp(test jig)
	Method2	23#1	\					waiting bug happen by method1
		24#1	OK	OK	OK			all chanel 95w lamp
		24#2	OK	OK	OK			Relay Page1 ch 12 95w lamp Relay Page2 ch 8 95w lamp Other chanel no-load
		24#3	\					waiting bug happen by method1
		24#4	OK	OK	OK			all chanel 1w lamp(test jig)
	Temp (Method2)	24#1	inside top : 45℃ , Room: 18℃ , rise : 27℃					95w lamp , always on/off
		24#2	inside top : 63℃ , Room: 19℃ , rise : 44℃					all chanel 1w lamp(test jig) , always on
Result	Bug cause: check Mix24 #1,2,4 data, cause is relay power supply voltage too low							
	Solution: change the resistor value to get Relay voltage rating upto 12V MIX24 Change R5,R2 value from 7.5k to 10k  MIX23 Change R5 value from 7.5k to 10k 							
	Other: 1.Has been reworked all Mix23 and Mix24 , include Hotel order products; 2.Test will continue until bug happen , for check life; 3.Test will increase to 4pcs and full load for MIX23 when cycle finished							

Check BY: Test BY: Joe