

Service Bulletin 4812 711 40213

AUTHOR: Jochen Hohl

Last Update: 06/30/09

VERSION: 1.0

TITLE: Overview - Service-Thermostat

SUBJECT: Overview - Service-Thermostat

A) Refrigerator-Thermostat

Contact 3-4 = thermic Switch
(closes at rising temperature)

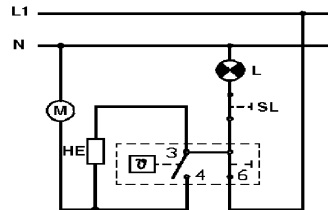
Contact 3-6 = mechanic ON / OFF Switch
(Opens in OFF - position)

M = Compressor

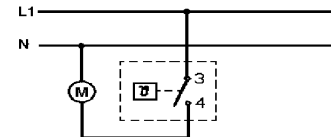
L = Lamp

SL = Switch Lamp

Contact 6-3-4



Contact 3-4



B) Freezer-Thermostat

Contact 3-4 = thermic Switch
(closes at rising temperature)

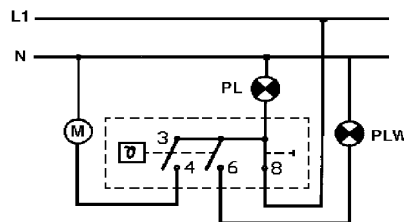
Contact 3-6 = Signal Switch
(closes at rising temperature)

Contact 3-8 = mechanic ON / OFF Switch
(Opens in OFF - position)

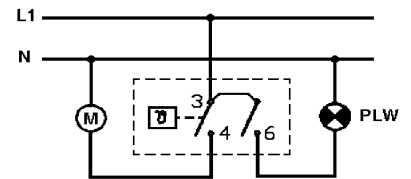
M = Compressor

PL = Signal lamp - green

Contact 8-3-4-6



Contact 3-4-6



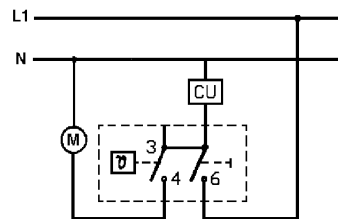
Freezer-Thermostat

with mechanical ON / OFF switch,
without Signal switch

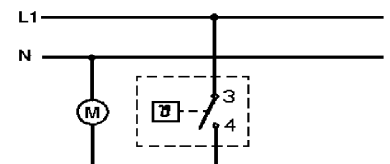
Contact 3-4 = thermic Switch
(closes at rising temperature)

Contact 3-6 = mechanic ON / OFF Switch
(Opens in OFF - position)

Contact 6-3-4



Contact 3-4



Service-Thermostat for refrigerators and freezers

knowledge status: April 2007

Order Number 12 NC	Thermostat - Type A = ATEA ; R = Ranco E = Emerson / Fanal			Switch Values (°C)				Signal	Connection	Capillary length (mm)	1)Fixatio n	Remarks Replaced by 12NC :
				ON		OFF						
				min.	max.	min.	max.					
481227128363	A	A13	0128	4,5	4,5	-12	-26		6-3-4	550	S	
481227128378	R	K54	L1994	-17,5	-25	-26	-35	-14,5	3-4-6	1100	S	
481227128401	A	A13	0494	4,5	4,5	-13	-26		6-3-4	1200	S	
481227128402	A	A01	0569	-13	-20	-23	-30		3-4	2050	S	
481227128403	A	A01	0571	-13	-20	-23	-30		3-4	2050	S	
481227128404	R	TB04	0097	-3	-10,5	-11	-20		3-4	750	N	
481227128411	A	A01	0581	-3	-10,5	-11	-20		3-4	750	N	
481227128416	A	A13	0530	4,5	4,5	-14	-28		6-3-4	900	S	
481227128418	A	A03	0290	4,5	4,5	-13	-26		3-4	1300	S	
481227128419	R	K56	L1908	-13	20	-19	-26	-8	8-3-4-6	1500	S	
481227128422	R	K59	L2020	4,5	4,5	-16	-30		6-3-4	900	S	
481227128424	A	A13	0531	4,5	4,5	-8	-28		6-3-4	900	S	
481227128425	A	A03	0305	4,5	4,5	-8	-20		3-4	1200	S	
481227128426	A	A13	0532	4,5	4,5	-16	-30		6-3-4	600	N	
481227128438	A	A04	0298	-11	-20	-19	-28	-6	3-4-6	850	S	
481227128481	A	A13	0596	6	6	-8	-22		6-3-4	550	S	R=481228238218
481227128523	A	A13	0641	3,5	3,5	-14	-28		6-3-4	1600	N	
481227128563	A	A04	0134	-17	-25,5	-21,5	-30	-12	3-4-6	1500	N	A=481227128564
481227128564	R	K54	L1897	-17	-25,5	-21,5	-30	-12	3-4-6	1500	N	A=481227128563
481227128565	A	A01	0677	-6	-14	-12	-23		3-4	950	N	A=481227128566
481227128566	R	K50	L	-6	-14	-12	-23		3-4	950	N	A=481227128565
481227128568	A	A04	0126	-14	--	-20	-29,5	-9	3-4-6	1150	N	
481227128569	A	A13	0071	4,5	4,5	-13	-26		6-3-4	1000	N	A=481927128671
481227128573	A	A03	0116	2	2	-8	-15		3-4	650	N	
481227128574	A	A03	0117	2	2	-8	-12		3-4	650	N	
481227128575	A	A01	0219	12	4	6	-2		3-4	1400	N	
481227128576	A	A01	0379	-1,5	-10,5	-7,5	-16,5		3-4	850	N	
481227128577	A	A04	0242	-11	-22	-17	-28	-7	3-4-6	1150	N	
481227128578	R	K54	L2009	-14,5	-22	-24	-32	-10,5	3-4-6	900	S	
481227128579	R	K56	L1907	-19	-27,5	-23,5	-32	-14	8-3-4-6	1500	S	
481227128581	A	A13	0062	4,5	4,5	-8	-22		6-3-4	550	S	
481227129079	A	A13	0459	4,5	4,5	-19	-33		6-3-4	1050	N	
481228208004	A	A04	0327	-16	-24,5	-22	-32	-11	3-4-6	550	N	
481228208629	A	A13	0633	3,5	3,5	-18	-29		6-3-4	600	N	
481228208631	A	A13	0642	3,5	3,5	-13	-26		6-3-4	1700	N	
481228208636	R	K59	L	3,5	3,5	-8,3	-18		6-3-4	800	N	
481228208637	R	K59	L	3,5	3,5	-8,3	-18		6-3-4	1650	N	
481228228333	A	A13	0681	4,5	4,5	-19	-33		6-3-4	700	S	
481228238043	R	K59	L	7	7	-11	-24		6-3-4	900	S	
481228238054	R	K59	L	4,5	4,5	-19	-33		6-3-4	1200	S	
481228238055	R	K59	L	4,5	4,5	-22	-33		6-3-4	900	S	

1) Befestigung: N = Mutter S = Feder

Service-Thermostat for refrigerators and freezers

knowledge status: April 2007

Bestell-Nr. 12 NC	Thermostat - Type A = ATEA ; R = Ranco E = Emerson / Fanal			Switch Values (°C)				Signal	Connection	Capillary length (mm)	1)Fixatio n	Remarks Replaced by 12NC:
				ON		OFF						
				min.	max.	min.	Max.					
481228238062	A	A13	0104	4,5	4,5	-16	-30		6-3-4	550	S	
481228238063	A	A13	0065	4,5	4,5	-12	-26		6-3-4	550	S	
481228238068	A	A13	0285	4,5	4,5	-16	-30		6-3-4	550	S	
481228238075	A	A13	0588	4,5	4,5	-13	-26		6-3-4	700	N	
481228238076	A	A13	0586	4,5	4,5	-19	-33		6-3-4	700	N	
481228238077	R	K59	L	4,5	4,5	-19	-33		6-3-4	1100	S	
481228238081	A	A13	0592	4,5	4,5	-14	-28		6-3-4	850	N	
481228238082	A	A13	0590	6	6	-12	-26		6-3-4	550	S	
481228238083	A	A13	0585	4,5	4,5	-16	-30		6-3-4	700	N	
481228238084	A	A13	0584	4,5	4,5	-16	-30		6-3-4	700	N	
481228238085	A	A01	0635	-17	-24	-23	-30		3-4	1500	N	
481228238087	A	A03	0344	4,5	4,5	-14	-28		3-4	850	N	
481228238088	A	A13	0583	4,5	4,5	-13	-26		6-3-4	700	N	
481228238089		TB04	0118	-6	-15	-12	-23		3-4	550	N	
481228238104	R	K59	L	6	6	-4	-17		6-3-4	1200	S	
481228238105	A	A13	0601	7	7	-8	-28		6-3-4	900	S	
481228238106	A	A11	0084	13	4	9	-1		6-3-4	140	S	
481228238119	A	A11	0087	-1,5	-9,5	-7,5	-17		6-3-4	950	S	R=481228238219
481228238128	A	A13	0615	5	5	-14,7	-26		6-3-4	700	N	
481228238129	A	A13	0612	3,5	3,5	-23	-29		6-3-4	700	N	
481228238132	R	K59	L	3,5	3,5	-8	-29		6-3-4	1600	N	
481228238133	A	A04	0371	-14,5	--	-25	-32	-10	3-4-6	2400	N	
481228238134	A	A13	0630	3,5	3,5	-19	-33		6-3-4	1600	N	
481228238136	A	A13	0635	3,5	3,5	-18	-29		6-3-4	1400	N	
481228238137	A	A01		-17	-25,5	-21,5	-30		3-4	1300	N	
481228238141	A	A13	0638	3,5	3,5	-8	-29		6-3-4	600	N	
481228238142	A	A04	0372	-14,5	--	-25	-32	-10	3-4-6	1200	N	
481228238144	R	K59	L	3,5	3,5	-8	-29		6-3-4	1400	N	
481228238145	A	A21	0090	0	7,2	--	--		3-4	220	N	
481228238146	A	A13	0647	4,5	4,5	-14	-28		6-3-4	650	N	
481228238147	A	A13	0643	4,5	4,5	-16	-30		6-3-4	1600	N	
481228238151	A	A13	0606	4,5	4,5	-16	-30		6-3-4	850	N	
481228238153	A	A13		4,5	4,5	-16	-30		6-3-4	930	N	
481228238161	A	A13		3,5	3,5	-8	-29		6-3-4	750	N	
481228238166	A	A13		4,5	4,5	-11	-24		6-3-4	700	S	
481228238173	A	A13	0706	4,5	4,5	-9	-22		6-3-4	1200	S	
481228238175	A	A13	0696	4,5	4,5	-19	-33		6-3-4	630	S	
481228238185	A	A13	0455	6	6	-19	-33		6-3-4	1050	N	
481228238186	A	A13		4,5	4,5	-11	-24		6-3-4	840	S	
481228238187	R	K59	L2689	4,5	4,5	-19	-33		6-3-4	900	S	
481228238188	A	A13	0447	4,5	4,5	-19	-33		6-3-4	600	S	

1) Fixation: N = Nut S = Spring

Service-Thermostat for refrigerators and freezers

knowledge status: April 2007

Bestell-Nr. 12 NC	Thermostat - Type A = ATEA ; R = Ranco E = Emerson / Fanal			Switch Values (°C)				Signal	Connection	Capillary length (mm)	1)Fixatio n	Remarks Replaced by 12NC
				ON		OFF						
				min.	max.	min.	max.					
481228238189	A	A13	0467	4,5	4,5	-11	-24		6-3-4	800	S	
481228238191	A	A04	0359	-20	-27	-25	-33	-21,5	3-4-6	1700	S	
481228238192	A	A13	0460	4,5	4,5	-19	-33		6-3-4	700	N	
481228238193	A	A13	0604	4,5	4,5	-8	-20		6-3-4	800	S	
481228238194	A	A01	0562	-3	-7	--	--		3-4	1450	N	
481228238203		TB04	0117	-3	-14	-11	-25		3-4	700	N	
481228238204	A	A01	0629	-3	-14	-11	-25		3-4	700	N	
481228238205		TB04	0119	-6	-14	-12	-23		3-4	950	N	
481228238207	A	A13		4,5	4,5	-16	-30		6-3-4	700	S	
481228238208	A	A13		4,5	4,5	-8	-28		6-3-4	600	S	
481228238214	A	A03	0333	4,5	4,5	-19	-33		3-4	600	N	
481228238215	A	A03	0338	4,5	4,5	-16	-30		3-4	900	N	
481228238217	A	A01	0668	-17	-24	-23	-30		3-4	1500	N	
481228238218	A	A13	0624	4,5	4,5	-11	-24		6-3-4	650	S	
481228238219	A	A01	0686	-1,5	-9,5	-7,5	-17		3-4	950	S	
481228238221	R	K57	L2857	7	-24	3	-30		6-3-4	1200	N	
481228238223	R	K57	L5564	16,5	4	3	-17		6-3-4	1200	S	
481228238225	A	A13		4,5	4,5	-8	-28		6-3-4	930	N	
481228238226	A	A13		7	7	-8	-28		6-3-4	930	N	
481228238228	A	A13	0504	4,5	4,5	-11	-24		6-3-4	1200	S	
481228238232	A	A13	0697	4,5	4,5	-8	-20		6-3-4	830	S	
481228238234	A	A13	0698	4,5	4,5	-11	-24		6-3-4	830	S	
481228238238	R	K56		-19	-27,5	-23,5	-32	-14	8-3-4-6	1050	S	
481228238239	A	A13	U1502	6	6	-9	-20		6-3-4	1550	S	
481228238241	A	A01	0507	-14	23,5	-20	-29,5		3-4	550	N	
481228238242	R	K54	L2093	-14	-23,5	-20	-29,5	-9	3-4-6	590	N	
481231028009	R	K59	L1281	4,5	4,5	-12	-26		6-3-4	600	S	
481927128572	R	K52	L1524	8	3,5	--	--		6-3-4	1000	N	
481927128606	A	A01	0047	-15	-24	-21	-30		3-4	1200	N	
481927128611	A	A03	0031	4,5	4,5	-13	-26		3-4	650	N	
481927128612	R	K59	L4021	4,5	4,5	-13	-26		3-4	1000	N	
481927128613	A	A04	0052	-15	-23	--	--	-10	3-4-6	1350	N	
481927128637	A	A01	0045	12	4	6	-2		3-4	550		
481927128644	A	A01	0037	-10,5	-23	-17,5	-30		3-4	1200	N	
481927128645	A	A13	0073	4,5	4,5	-11	-24		6-3-4	1300	N	
481927128646	R	K50	L6524	-12	-20	-24	-32		3-4	2400	N	
481927128648	A	A11	0023	-15	-24	-21	-30		6-3-4	1200	N	
481927128649	A	A11	0013	-17	-24	-23	-30		6-3-4	2500	N	
481927128669	R	K59	L1129	4,5	4,5	-16	-30		6-3-4	1000	N	
481927128671	R	K59	L1130	4,5	4,5	-13	-26		6-3-4	1000	N	
481927128694	A	A01	0170	-19	-27	-26	-34		3-4	2000	N	

1) Fixation: N = Nut S = Spring

Service-Thermostat for refrigerators and freezers

knowledge status: April 2007

Bestell-Nr. 12 NC	Thermostat - Type A = ATEA ; R = Ranco E = Emerson / Fanal			Switch Values (°C)				Signal	Connection	Capillary length (mm)	1)Fixatio n	Remarks Replaced by 12NC:
				ON		OFF						
				min.	max.	min.	Max.					
481927128719	R	K56	L1842	-17	24,5	-22,5	-30	-12	8-3-4-6	2400	N	
481927128733	A	A13	0149	4,5	4,5	-13	-26		6-3-4	650	N	
481927128749	A	A01	0193	-19	-28	-26	-35		3-4	2000	N	
481927128755	R	K56	L1851	-17	25,5	-21,5	-30	-12	6-3-4	1500	N	
481927128756	R	K56	L1850	-13	-20	-19	-26	-8±1,5	6-3-4	1500	N	
481927128765	A	A01	0209	-14	23,5	-20	-29,5		3-4	1150	N	
481927128774	R	K59	L1186	4,5	4,5	-11	-24		6-3-4	900	N	
481927128775	A	A01	0520	-12	-20	-24	-32		3-4	2000	N	
481927128788	A	A13	0103	4,5	4,5	-13	-26		6-3-4	1000	N	
481927128789	R	K56	L1847	-17	24,5	-22,5	-30	-12	8-3-4-6	1100	S	
481927128795	A	A01	0157	-1,5	-10,5	-9,5	-18,5		3-4	550	N	
481927128807	A	A13	0195	8	8	-16	-27		6-3-4	1000	N	
481927128809	R	K56	L1854	-19	27,5	-23,5	-32	-15	8-3-4-6	1500	N	
481927128811	R	K57	L2816	-17	-24,5	-22,5	-30		6-3-4	1800	N	
481927128814	R	K54	L	-19	-27,5	-23,5	-32	-15	3-4-6	1500	N	
481927128815	R	K56	L1848	-17	25,5	-21,5	-30	-12	8-3-4-6	800	S	
481927128817	R	K54	L1899	-17	-24,5	-22,5	-30	-12	3-4-6	2400	N	
481927128823	R	K50	L	-19±	-27,5	-23,5	-32		3-4	1500	N	
481927128824	R	K54	L	-13	-20	-19	-26	-8	3-4-6	1500	N	
481927128832	A	A11	0044	-17	-25,5	-21,5	-30		6-3-4	1500	N	
481927128835		TB48	A989	-1,5±	-11	-7,5	-17		8-3-4-6	800	N	
481927128836	A	A01	0240	-18	-26	-25	-33		3-4	900	N	
481927128838	R	K59	L	7	7	-13	-26		6-3-4	900	S	
481927128854	A	A13	0063	4,5	4,5	-16	-30		6-3-4	1000	N	
481927128888	A	A13	0292	4,5	4,5	-16	-30		6-3-4	850	N	
481927128889	A	A13	0288	4,5	4,5	-16	-30		6-3-4	850	N	
481927128902	A	A01	0362	-8	-12	--	--		3-4	950	N	
481927128907	A	A04	0236	-17	-24,5	-22,5	-30	-12	3-4-6	2350	S	
481927128916	A	A04	0235	-17	-24,5	-22,5	-30	-12	3-4-6	2250	S	
481927128918	A	A04	0167	-17	-26,5	-21,5	-30	-12	3-4-6	800	S	
481927128928	R	K59	L1274	7	7	-13	-26		6-3-4	900	S	R=481228238043
481927128939	R	K60	L2097	-4	-15	-10	-21		3-4	1300	N	
481927128941	A	A04	0247	-17	-24,5	-22,5	-30	-12	3-4-6	2500	S	
481927128942	A	A01	0421	8	-2	3	-7		3-4	140	S	R=481228238106
481927128944	A	A13	0371	4,5	4,5	-16	-30		6-3-4	900	N	
481927128985	A	A03	0253	4,5	4,5	-13	-26		3-4	1450	S	
481927128994	A	A13	0404	4,5	4,5	-13	-26		6-3-4	850	N	
481927128999	R	K59	L2641	4,5	4,5	-22	-33		6-3-4	650	S	
481927129006	R	K50	L3291	-4	-15	-10	-21		3-4	600	N	
481927129007	A	A01	0479	-4	-19	-10	-25		3-4	750	N	
481927129031	A	A13	0435	4,5	4,5	-13	-26		6-3-4	650	N	

1) Fixation: N = Nut S = Spring

Service Bulletin 4812 711 40325

AUTHOR: Robert Zimmermann

Last Update: 01/21/10

VERSION: 1.0

TITLE: Expansion noise on Built-In Combi appliance from Cassinetta production.

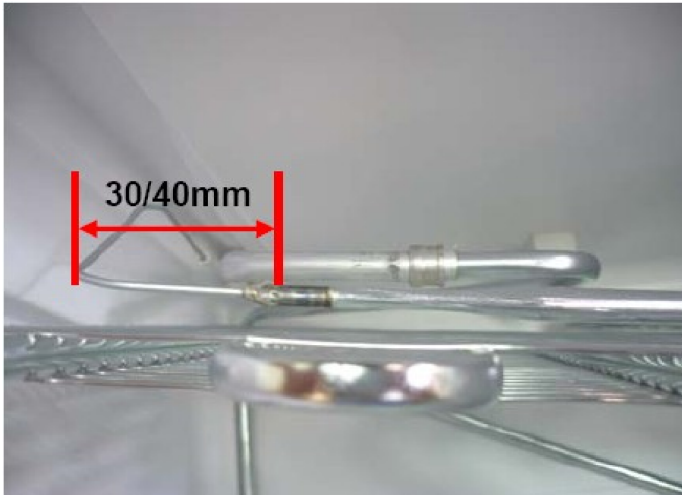
SUBJECT: Service kit implemented to avoid expansion noise on Combi appliance with mono compressor.

REMEDIAL ACTION

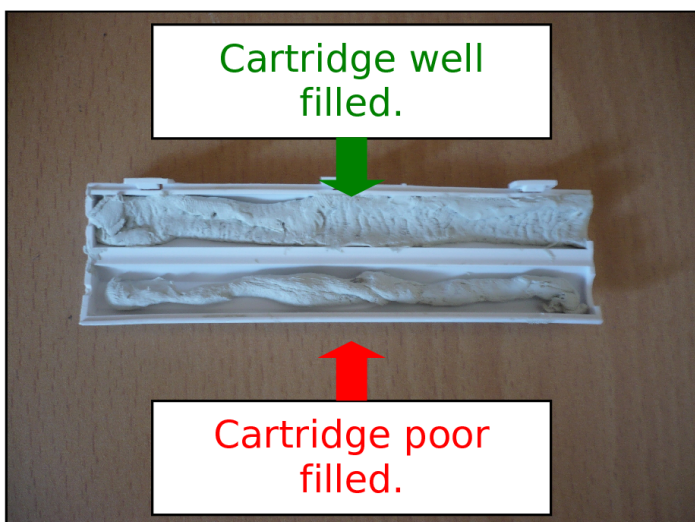
In case of customer claim for expansion noise, a new Service kit is implemented. The kit has the order number 4801 321 02291 and consist of follow parts: 6x plastic cartridge, 1 layer of mass with 7 stripe on it and 6x EPS spacer. The kit is prepared for 6 service interventions. See below the repair instruction. Production has implemented this solution since 30.01.2008. The estimated availability date of the kit in SPC will be 13.11.2009.

Repair instruction for expansion noise issue:**Step 1:**

Bend the capillary at the indicated dimension in the picture below.

**Step 2:**

Fill both half shell of the plastic cartridge with the mass in a proper way in order to be squeezed around the pipe and the capillary and to have the sound reduction effect. (see pictures below).



Step 3:
Close the cartridge.



Step 4:
Put the EPS spacer on the cartridge.



Step 5:
At the grid fixation operation the cartridge is hold in place by the grid itself.



Service Bulletin 4812 711 40334

AUTHOR: Robert Zimmermann

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VERSION: 1.0

TITLE: Too cold thermostat settings on Combi Built-In appliance from Cassinetta production.

SUBJECT: In some case the customer can claim, that the temperature in the refrigerator compartment is too cold.

REMEDIAL ACTION

In this case the technician can replace the existing thermostat by a new one with warmer settings to permit warmer temperature in the refrigeration compartment.

Following thermostats are used in the products:

A13 0696 with code 4812 282 38175.

A13 0736 with code 4801 321 01344.

A13 0745 with code 4801 321 02004.

The above listed thermostat's can be replaced by the new thermostat version:

A13 0756 with the code 4801 311 00614.

This thermostat has the same mechanical characteristics of the current one, but warmer settings as shown below.

Warm-In: 4,5+/-1

Cold-In: 4,5+/-1

Warm-In: -16+/-2

Cold-In: -30+/-1,5

Capillary lenght: 630+50/0

The estimated availability date of the new thermostat in SPC will be the 20.02.2010.