Table of the Configuration Variables

CV Addr. Range 1	CV Addr. Range 2	CV Addr. Range 3	Description	Allowable Values	Factory Settings
897	897	897	**SUSI address range** 1 = from 900 to 939 2 = from 940 to 979 3 = from 980 to 1019	1 - 3	1
900	940	980	**Manufacturer ID**	-	85
901	941	981	**Software version**	-	different
902	942	982	**Speaker volume**	50 - 200	192
903	943	983	**function activates sound „x“ (x = value of the CV)** x = 0 no sound is produced x = 1 bell or horn # 2 x = 2 whistle or horn #2 x = 3 motor (driving) sound x = 4 uncoupling or door warning sound x = 5 conductor whistle short x = 6 station announcement x = 8 fade in/out all sounds x = 9 Pantograph (electric locos only) x = 11 Announcing departure x = 12 Conductor whistle long x = 14 Coal shoveling / door closing tone x = 15 Pump / air compressor x = 16 Warning tone x = 17 Blowing / n/a x = 18 Vibrating stoker / n/a x = 95 Steam generator constantly maximum x = 96 Steam generator constantly off x = 97 Function brake noise off x = 98 Manual fan noise function (electric locos only) x = 99 Starting noise manual (steam locos only) x = 200 custom Sound x = 201 custom Sound x = 202 custom Sound x = 203 custom Sound	0 - 18 95 - 99 200 - 203	0
904	944	984	**f1 activates sound „x“** where „x“ is defined as per CV903/943/983	s.o.	0
905	945	985	**f2 activates sound „x“** where „x“ is defined as per CV903/943/983	s.o.	3
906	946	986	**f3 activates sound „x“** where „x“ is defined as per CV903/943/983	s.o.	4
907	947	987	**f4 activates sound „x“** where „x“ is defined as per CV903/943/983	s.o.	2
908	948	988	**f5 activates sound „x“** where „x“ is defined as per CV903/943/983	s.o.	1
909	949	989	**f6 activates sound „x“** where „x“ is defined as per CV903/943/983	s.o.	0
910	950	990	**f7 activates sound „x“** where „x“ is defined as per CV903/943/983	s.o.	16
911	951	991	**f8 activates sound „x“** where „x“ is defined as per CV903/943/983	s.o.	8
912	952	992	**f9 activates sound „x“** where „x“ is defined as per CV903/943/983	s.o.	5
913	953	993	**f10 activates sound „x“** where „x“ is defined as per CV903/943/983	s.o.	0
914	954	994	**f11 activates sound „x“** where „x“ is defined as per CV903/943/983	s.o.	15
915	955	995	**f12 activates sound „x“** where „x“ is defined as per CV903/943/983	s.o.	0
916	956	996	**f13 activates sound „x“** where „x“ is defined as per CV903/943/983	s.o.	11
917	957	997	**f14 activates sound „x“** where „x“ is defined as per CV903/943/983	s.o.	14
918	958	998	**f15 activates sound „x“** where „x“ is defined as per CV903/943/983	s.o.	6
919	959	999	**f16 activates sound „x“** where „x“ is defined as per CV903/943/983	s.o.	12
920	960	1000	**f17 activates sound „x“** where „x“ is defined as per CV903/943/983	s.o.	97
921	961	1001	**f18 activates sound „x“** where „x“ is defined as per CV903/943/983	s.o.	0
922	962	1002	**f19 activates sound „x“** where „x“ is defined as per CV903/943/983	s.o.	0
923	963	1003	**f20 activates sound „x“** where „x“ is defined as per CV903/943/983	s.o.	0
924	964	1004	**f21 activates sound „x“** where „x“ is defined as per CV903/943/983	s.o.	0
925	965	1005	**f22 activates sound „x“** where „x“ is defined as per CV903/943/983	s.o.	0
926	966	1006	**f23 activates sound „x“** where „x“ is defined as per CV903/943/983	s.o.	0
927	967	1007	**f24 activates sound „x“** where „x“ is defined as per CV903/943/983	s.o.	0
928	968	1008	**f25 activates sound „x“** where „x“ is defined as per CV903/943/983	s.o.	0
929	969	1009	**f26 activates sound „x“** where „x“ is defined as per CV903/943/983	s.o.	0
930	970	1010	**f27 activates sound „x“** where „x“ is defined as per CV903/943/983	s.o.	0
931	971	1011	**f28 activates sound „x“** where „x“ is defined as per CV903/943/983	s.o.	0
934	974	1014	**Threshold for electric fan of electric locos** 255 = no fan noise	0 - 255	200
935	975	1015	**Configuration** Value Bit 0 = 0 Chuff steam loco only by reed switch Bit 0 = 1 Chuff steam loco automatic and by reed switch 1 Bit 1 = 1 Pause before repeat of whistle 2 Bit 2 = 1 Chuffs halved 4 Bit 4 = 0 Fire box flickering Bit 4 = 1 Output Fire box while fireman shoveling 16 Bit 6 = 1 Change fader time to 8 seconds and automatically on at power on 64 Bit 7 = 0 The end step is always on Bit 7 = 1 The end step is off when the sound off 128	0 - 195	129
936	976	1016	**Threshold for brake squeal sound** 255 = no brake squeal	10 - 255	80
937	977	1017	**Idle running in Seconds** 0 = idle running off 255 = idle running constantly on	0 - 255	15
938	978	1018	**Time between chuffs** at maximum loco speed without contact	0 - 100	0
939	979	1019	**Time between chuffs** at minimum loco speed without contact	50 - 255	230
1021	1061	1101	**Setting of the Bank to program** for all following settings = 1 (Bank A)	0, 1	0
			Following Expert CVs (Bank A) only are programmable when CV 1021 is set to 1. After Programming Bank A set CV 1021 to 0 !		
900 A	940 A	980 A	Hardware version (Product ID)	-	0
901 A	941 A	981 A	Additional information for hardware / software version	-	255
903 A	943 A	983 A	relative sound volume for custom sound no. 200	25 - 255	128
904 A	944 A	984 A	relative sound volume for custom sound no. 201	25 - 255	128
905 A	945 A	985 A	relative sound volume for individual sound no. 202	25 - 255	128
906 A	946 A	986 A	relative sound volume for individual sound no. 203	25 - 255	128
922 A	962 A	1002 A	speed step for curve squeal sound starting	0 - 127	16
923 A	963 A	1003 A	speed step for curve squeal sound ending	0 - 127	48
924 A	964 A	1004 A	**Special function of externe input for electric and diesel locos for curve squeal sound can be switvhed off** Values = 0-28 functions f0 - f28 Value = 31 curve squeal sound constantly activ	0 - 28 31	31
925 A	965 A	1005 A	**Special function for switching off the dead time in CV 926 A** Values 0-28 functions f0 - f28 Value = 31 no switch off	0 - 28 31	31
926 A	966 A	1006 A	**Delay for taking off** in steps of 32ms (30 = 1 sec, 254 = 8,13 sec. 0 = no, 255 = off (dead time than sound is controlled)	0 - 254	255
927 A	967 A	1007 A	For steam locos: load time acceleration triggered	5 - 20	5
928 A	968 A	1008 A	For steam locos: load time increase in load triggered	5 - 20	5
929 A	969 A	1009 A	Steam output (SA1) at stop with sound on 0 - 100 %	0 - 100	20
930 A	970 A	1010 A	Steam output (SA1) running with sound on 0 - 100 %	0 - 100	80
931 A	971 A	1011 A	Steam output (SA1) in idle speed with sound on 0 - 100 %	0 - 100	35
932 A	972 A	1012 A	Steam output (SA1) at take-off with sound on 0 - 100 % During delay (CV 926 A) an connected steam generator will be preheated to this value.	0 - 100	100
			The following settings for automatically triggered Sounds when driving off		
933 A	973 A	1013 A	Timeout for automatic triggering of sound no. 16 0 = always 255 = never	0 - 255	255
934 A	974 A	1014 A	Dead time of automatic sound function 99 (sTake off hissing) 0 = ex 1 sec., 255 = never	0 - 255	90
			Following settings for dynamic sound reactions		
935 A	975 A	1015 A	Recognition "faster"	120 - 138	131
936 A	976 A	1016 A	Recognition "slower"	120 - 138	125
937 A	977 A	1017 A	**Sensitivity to load regulation** 1 = reacts really fast to 8 = reacts very slowly	1 - 8	6
938 A	978 A	1018 A	**Trigger threshold with Motor load increase** 128 = Tone change with load increase switched off	0 - 128	3
939 A	979 A	1019 A	**Trigger threshold with Motor load decrease** 128 = Tone change with load decrease switched off	0 - 128	3

36222-90-7023