

SD510 - Class E645 - E646 Electric

F#	Spot Sound Description	Mode								
F0	Headlight/Rear Lights	T								
F1	Sound Enable/Engine Start	T								
F2	Multiple Whistles (6)	M	F2a_Fischio_mid_long	F2b_Fischio_high_long	F2c_Fischio_low_long	F2d_Fischio_mid_short	F2e_Fischio_high_short	F2f_Fischio_low_short	NOT USED	NOT USED
F3	Multiple Horns (3)	M	F3a_tromba_low_short	F3b_tromba_mid_short	F3c_tromba_mid_long	NOT USED	NOT USED	NOT USED	NOT USED	NOT USED
F4	Brake	M								
F5	Conductor's signal	M								
F6	*Compressed air let off	T								
F7	Compressor	T								
F8	Curve squeal	T								
F9	Motor fans	T								
F10	Emergency brake	M								
F11	**Coupling clank	T								
F12	Sanding valve	M								
F13	***Pantographs up/down	T								
F14	Cabin door closing	M								
F15	Tachograph	M								
F16	Rail clank on/off	M								
F17	Pantograph Arc	M								
F18	Station announcement #1	M								
F19	Station announcement #2	M								
F20	Station announcement #3	M								
F21	Aux 1	T								
F22	Aux 2	T								
F23	Aux 3	T								
F24	Aux 4	T								
F25	Shunting Mode	T								
F26	Creep Mode	M								
F27	Dynamic Brake	M	M = Momentary Action							
F28	AFC Enable	T	T = Toggle On/Off							

NOTES -	
*F6	F16/F11/F13 functions all work as a toggle/latch operation i.e F13 Pantograph up playback starts when enabled and Pantograph down sound is played when the function is disabled.
**F11	
***F13	

Electric Trigger Thresholds

Sound Play Configuration ELECTRIC Locomotive... ELECTRIC LOCOMOTIVES... Engine Running Sound Playback...				
Automatic Idle				
220	ELECTRIC Trigger Threshold 1 (ETT 1)	3	1-127	Applies to SS of > 0 but less than ETT1
221	ELECTRIC Trigger Threshold 2 (ETT 2)	20	1-127	Applies when SS > ETT2 but < ETT3
222	ELECTRIC Trigger Threshold 3 (ETT 3)	45	1-127	Applies when SS > ETT3 but < ETT4
223	ELECTRIC Trigger Threshold 4 (ETT 4)	65	1-127	Applies when SS > ETT4 but < ETT5
224	ELECTRIC Trigger Threshold 5 (ETT 5)	85	1-127	Applies when SS > ETT5 but < ETT6
225	ELECTRIC Trigger Threshold 6 (ETT 6)	105	1-127	Applies when SS > ETT6

Please refer to the main HM7000 Series Decoder Reference Manual for further information