Digitrax Throttle Specification Sheet

DT100R Advanced Radio Equipped Throttle

Compatibility	Loconet
Function Control	F0-F08
Wireless Operation	Simplex Radio (UR91)
Turnout, Stationary Decoder Control	No
Locomotive Decoder Addresses	15
Decoder Programming	No
Screen	LCD
Throttle Control	2 Throttle Encoder/Knobs
2 & 4 Digit Addressing	Yes
Recall Feature	No
Transponding Find Feature	No
Flashlight	No
Fast Clock	Yes
Cab Signaling	No

Prod Date	1998	Discontinued	2000	Replaced By	DT400
MSRP	US$			SKU	

DT100 Primary Option Choices

Primary Option Value	Options Enabled			
	Ballistic Tracking	Fast Clock Display	Key & Knob Clicks	Run/Stop Local/Global
00	No	No	Yes	Local
01	**Yes**	**No**	**Yes**	**Local**
02	No	Yes	No	Local
03	Yes	Yes	Yes	Local
04	No	No	No	Local
05	Yes	No	No	Local
06	No	Yes	Yes	Local
07	Yes	Yes	No	Local
10	No	No	Yes	Global
11	Yes	No	Yes	Global
12	No	Yes	No	Global
13	Yes	Yes	Yes	Global
14	No	No	No	Global
15	Yes	No	No	Global
16	No	Yes	Yes	Global
17	Yes	Yes	No	Global

DT100 Secondary Option Choices

Secondary Option Value	Throttle Default for NEW decoder Type
00	28 Step
01	Motorola Trinary decoder
02	14 step decoder
03	**128 step decoder**
04	28 step FX decoder
07	128 step FX decoder
08	Disable NEW type override feature

DCS100 OPTION SWITCH TABLE

Option Switch #	Effect on System operation when "Closed"
OPSW#01	reserved DO NOT CHANGE always "thrown"
OPSW#02	reserved DO NOT CHANGE always "thrown"
OPSW#03	this DCS100's booster is AUTO REVERSING into regular DB100a booster. See Section 7.2
OPSW#04	reserved DO NOT CHANGE
OPSW#05	command station master mode always make "closed"
OPSW#06	reserved DO NOT CHANGE always "thrown"

OPSW#07	reserved DO NOT CHANGE always "thrown"
OPSW#08	reserved DO NOT CHANGE always "thrown"
OPSW#09	allow Motorola trinary switch packet command echo for switches 1-256. (DCC switch packets are still sent)
OPSW#10	expand trinary switch echo range from 1-64 to 1-256, when OPSW#9 is "c" (Motorola trinary switch enabled)
OPSW#11	make trinary switches 57-64 long duration (1 sec) ON period, when OPSW#9 is "c", use for uncouplers, etc.
OPSW#12	Motorola trinary/AC digital mobile decoder addresses 1-80 allowed. (User must status edit loco types to "x1")
OPSW#13	loco purge time extended from 200 seconds to 600 seconds
OPSW#14	loco purging is disabled
OPSW#15	purging will force a loco to Stop or 0 speed
OPSW#16	-reserved-DO NOT CHANGE
OPSW#17	automatic advanced decoder assisted [FX] consists are disabled-
OPSW#18	extend the DCS100 booster short circuit shutdown time from 1/8th to 1/2 second
OPSW#19	reserved-DO NOT CHANGE
OPSW#20	disable address 00 or analog stretching for conventional locos. Always "c" for German DCS100's.

Option Switch #	Effect on System operation when "Closed"
OPSW#21	OPSW21-23 set the global system default type for "NEW" loco selections.
OPSW#22	SW21/22/23, t-t-t 128 STEP mode, t-t-c- 14 step mode, t-c-t 28 step mode
OPSW#23	c-t-t 128 step FX, c-c-t 28 step FX, t-c-c Motorola Trinary
OPSW#24	reserved DO NOT CHANGE
OPSW#25	disable aliasing in this DCS100
OPSW#26	enable routes in this DCS100
OPSW#27	disable normal switch commands, a.k.a. the "Bushby bit." Allows attached PC to perform switch control logic
OPSW#28	disable DS54 interrogate commands at GPON
OPSW#29	reserved-DO NOT CHANGE
OPSW#30	reserved-DO NOT CHANGE
OPSW#31	means meter route/switch output rate when not trinary
OPSW#32	reserved-DO NOT CHANGE
OPSW#33	allow track power to restore to prior state at power on
OPSW#34	allow track to power up to run state, if was run prior to power own
OPSW#35	reserved-DO NOT CHANGE
OPSW#36*	reset/ clear/ erase all mobile decoder information & consists
OPSW#37*	erase/ clear all routes
OPSW#38*	erase/clear the loco roster
OPSW#39*	clear all internal memory states, including sections. OPSW 36/37/38 clears
OPSW#40	reserved-DO NOT CHANGE

OPSW#41	diagnostic click when valid LocoNet commands incoming, & routes being output (useful for debug)
OPSW#42	disable 3 beeps on Purging a loco
OPSW#43	disable Loconet update of command station's track status
OPSW#44	expand slot refresh area from 22 (Big Boy compatible) to 120
OPSW#45	disable reply for switch state request
OPSW#46	reserved-DO NOT CHANGE
OPSW#47	program track is brake signal generator when not Programming. Braking is DCC set to speed 0 (not Emergency stop) for address 0, light ON, broadcast to all addresses

* For Op Switch #36-#39 to work properly, set the op switch to "c" then return the DCS100 to "RUN" mode. The operation will occur (data will be cleared) and the option switch will reset to "t". Your DT100 display will still
98
show "c" eventhough the reset has occurred. The display will update the next time you access the Op Switch.

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