




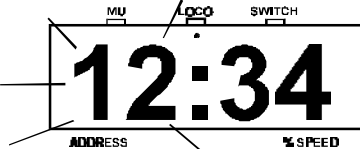




<b>DCC THROTTLE CLINIC</b>
<b>UNIT 2 - DIGITRAX THROTTLE</b>
<b>2 DIGIT ADDRESS SELECTION</b>

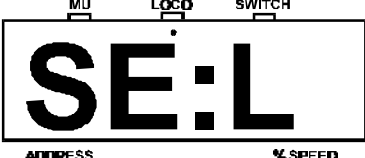
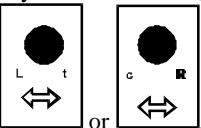
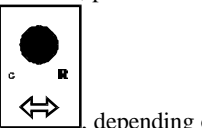
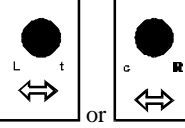

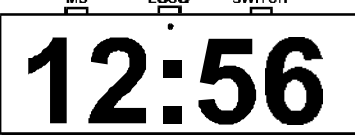


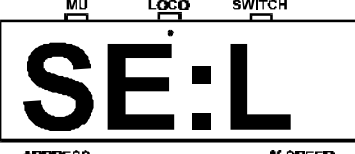
Prepared by Robert B. Rodriguez  
 For use by the Prince William County  
 Model Railroad Club, Inc. Oct. 2000

This unit teaches the user to select and de-select a 2 digit decoder address. Older 2 digit decoders from Digitrax and other manufacturers utilized 2 digit addresses. Even 4 digit decoders may have a 2 digit address if that is the wish of the user.

You should have familiarized yourself with DT100 Anatomy in Unit 1. If you have not, please read Unit 1 before proceeding with Unit 2.

2 Digit Address Selection

Activity	Graphic Representation	Result
Turn the throttle knob of the throttle you wish to use (left or right) about 1/8 of a turn.		The LCD Data Display should read "SE:L"
Press the SEL / SET key to enter the Select Address Mode.	 <p>Press . The EXP light will be off.</p>	<p>The left hand side of the LCD display will flash to tell you to select a 2 digit address. The right hand side of the display will show you of the decoder address displayed (<i>don't worry about the status for now</i>).</p>  <p>Here, we are selecting loco # 12 which has a status of 34.</p>
Turn either throttle knob up or down until to reach the loco number you want (00 - 127).		The left side of the LCD will display the loco number you want as a flashing number. Note: loco number 100 to 127 are in hexadecimal format. See table 1.
Press SEL / SET key again to select the 2 digit address once you see it in the left side of the LCD display.	 <p>Press . The EXP light will be off.</p>	<p>If you were successful, the display will show the loco number as a solid number on the left side of the display. The right side will show the loco speed. Also the left or right Direction Indicator will be flashing RED or GREEN depending on the throttle you are using and the direction the loco is set to go.</p>  <p>Here Loco #12 is at speed 00.</p>

<p>If selecting a loco doesn't work....</p>		<p>If you tried to access a loco that is already active, your display will change back to SE:L and the throttle direction indicator will not light up</p>
<p>You will need to change your loco's number or wait until the active loco leaves the layout.</p>		
<p>If you are successful, press the</p>  <p>or</p>  <p>, depending on which throttle you are using, to set your loco's direction (GREEN = forward, RED = reverse) (Analog loco's on address 00 will have to see which way the loco travels and remember which color goes to which direction.</p>	<p>Press</p> 	<p>The left or right throttle direction indicator will flash red or green each time you depress the direction key.</p>
<p>Turn the throttle knob slowly. Your loco will begin to move in the direction you set.</p>		<p>Your LCD display will show the loco number on the left side of the LCD display and the loco's speed on the right side of the LCD display.</p>  <p>Here loco 12 is traveling at 56% of its maximum speed.</p>
<p>To release a loco when you are finished operating.....Press the SEL / SET key, then the MODE / DISP key. Your loco is now released from the throttle.</p>	<p>Press</p>  <p>, then</p> 	<p>If you were successful, your LCD display will read SE:L and your direction indicator will be off.</p> 

**Table 1: Translation Table for Decimal to Hexadecimal numbers for 2 digit decoders**

DEC	HEX	DEC	HEX	DEC	HEX
0-99	0-99				
100	A0	110	b0	120	c0
101	A1	111	b1	121	c1
102	A2	112	b2	122	c2
103	A3	113	b3	123	c3
104	A4	114	b4	124	c4
105	A5	115	b5	125	c5
106	A6	116	b6	126	c6
107	A7	117	b7	127	c7
108	A8	118	b8		
109	A9	119	b9		