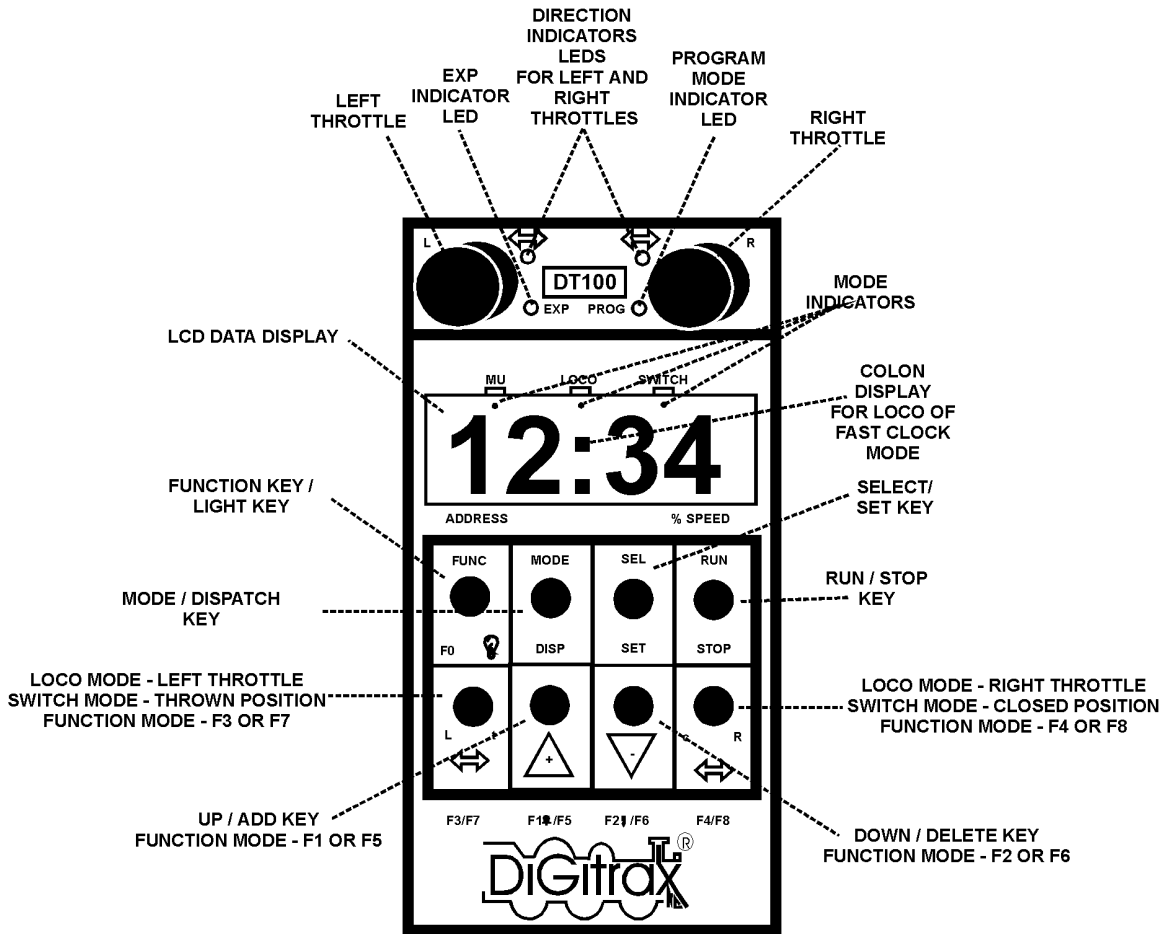








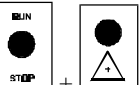
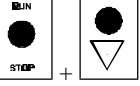






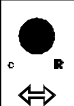
DT100 THROTTLE ANATOMY

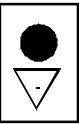
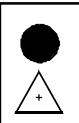
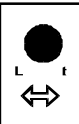


DT100 HANDHELD THROTTLE CONTROL PANEL

DIGITRAX THROTTLE ANATOMY EXPLAINED

Function / Key / Mode	Explanation										
General Color Codes	<p>Function Keys and Arrows are coded in three basic colors: RED, GREEN, BLUE.</p> <p>GREEN keys and arrows control locomotive speed and direction.</p> <p>RED key is RUN/STOP. This is used for EMERGENCY STOPS ONLY</p> <p>BLUE keys are for Function controls. When in the Function Mode, the GREEN KEYS in the bottom Function Key row take on the BLUE key meanings listed underneath.</p>										
Direction Indicator LEDs for Left and Right Throttles	<p>These LEDs with the arrows above them display the locomotive direction on the left or right throttle. For DCC locomotives the following applies: Green denotes forward direction; Red denotes reverse direction. For analog locomotives the colors only indicate track polarity. Red or Green may serve as forward or reverse for ANALOG locomotives ONLY. The LED is flashing (either Red or Green) it means that this is the active throttle. The other throttle will display a solid LED color (Red or Green). Note that if you are only using one locomotive or a consist that has been MU'ed together, your throttle will only display one direction indicator and that indicator will be flashing. The other indicator will be off.</p>										
EXP Indicator LED	<p>This LED indicates the address mode of the active locomotive. The following displays apply:</p> <table style="width: 100%; border: none;"> <tr> <td style="text-align: left;">Address</td> <td style="text-align: left;">LED Display</td> </tr> <tr> <td>Aliased address -</td> <td>RED flashing</td> </tr> <tr> <td>Analog loco (address 00) -</td> <td>off</td> </tr> <tr> <td>2 digit address (01 - 127) -</td> <td>off</td> </tr> <tr> <td>4 digit address (128 - 9980) -</td> <td>RED steady</td> </tr> </table>	Address	LED Display	Aliased address -	RED flashing	Analog loco (address 00) -	off	2 digit address (01 - 127) -	off	4 digit address (128 - 9980) -	RED steady
Address	LED Display										
Aliased address -	RED flashing										
Analog loco (address 00) -	off										
2 digit address (01 - 127) -	off										
4 digit address (128 - 9980) -	RED steady										
Program Mode Indicator LED	<p>This LED displays GREEN when the DT100 is placed in programming mode. Programming mode is used to program mobile or stationary decoders, and command stations. Mobile and stationary decoders require a programming track which is isolated from the rest of the layout. To enter Program Mode you must press  &  keys at the same time. To exit Program Mode repeat the same key sequence above that put you in Program Mode.</p>										
Left / Right Throttle Knobs	<p>These knobs control the speed of the Left and Right Throttles. The Left Throttle knob also selects the left two digits of a 4 digit address and the Right Throttle knob select the right 2 digits of a 4 digit address as well as the 2 digits of a 2 digit address.</p>										
LCD Data Display	<p>This LCD shows a variety of information. It shows one of 3 Mode Indicators (MU, LOCO, SWITCH), Loco address, loco speed, fast clock time.</p>										
<div style="display: flex; justify-content: space-around; align-items: center;"> <div style="text-align: center;"> <p>Mode Indicators</p>  </div> <div style="text-align: center;">  </div> <div style="text-align: center;">  </div> </div>	<p>Three small indicators at the top of the LCD Data Display show the Mode that the throttle is in. A small dot under one of the 3 modes printed on the throttle facepiece shows the current throttle mode. The 3 Mode are:</p>										

	<p>MU Mode - Allows the user to operate 2 or more locomotives together on one throttle as part of a multi-unit train.</p> <p>LOCO Mode - Allows the user to select / deselect a locomotive. It is also the mode in which the user controls train speed, direction, and locomotive function keys.</p> <p>SWITCH Mode - Allows the user to throw or close a switch that has been hooked up to the Digitrax Loconet with special hardware.</p>
<p>Colon Display :</p>	<p>A solid colon indicates normal display of loco function, speed, or address. A flashing colon indicates that the display is showing time of day based on the Digitrax fast clock setting in the Digitrax Command Station.</p>
 RUN / STOP	<p>This key is used to stop your locomotive in an emergency. After you use the key to stop the locomotive. Press the key again to return to normal operation. The RUN/STOP key is used together with other keys to access other functions:</p> <p>RUN/STOP + FUNC / F0 together accesses the Program Mode.</p>  together powers up the layout  together powers down the layout.
 SELECT / SET	<p>This key is used to select a locomotive address when the throttle is in the Loco Mode.</p>
 MODE / DISPATCH KEY	<p>This key is used to select the Mode of the DT100 Throttle. Each time the Mode / Display key is pressed, a dot appears on the LCD screen beneath the next Mode printed on the Throttle's face piece.</p> <p>The key is also used to dispatch the locomotive to another throttle. After selecting a address, press the  , then the  to dispatch the locomotive.</p> <p>In the Program Mode, this key can be pressed after selecting a Configuration Variable (CV) in order to see the value assigned to that CV.</p>
 FUNCTION KEY / LIGHT KEY	<p>This key accesses the Locomotive's headlight. It also provides access to decoder functions F1 through F8.</p> <p>When used together with  key you can access Program Mode.</p>
 Loco Mode ,Switch Mode, Function Mode Key	<p>This key accesses 3 different Modes or Functions.</p> <p>Loco Mode - When in the Loco Mode, this key controls the forward / reverse direction of the loco assigned to the Right Throttle. (<i>Hint - there is a "R" above the double sided arrow indicating this key controls the Right Throttle direction.</i>)</p>

	<p>Switch Mode - When in the Switch Mode, this key will change the selected switch to the Closed position.</p> <p>Function Mode - When in the Function Mode, this key will access F4 or F8.</p>
 <p>Down / Delete / Function Mode Key</p>	<p>This key accesses 4 different Modes or Functions.</p> <p>Loco Mode - Selecting a loco - This key will allow the user to browse down to the next address below the displayed address.</p> <p>Loco Mode - Loco Operation - This key will allow the user to decrease the loco's speed each time the key is pressed or continuously if the key is held down.</p> <p>MU Mode - This key allows the user to break up a MU'ed consist that was selected on the throttle.</p> <p>Function Mode - When in the Function Mode, this key will access F2 or F6.</p>
 <p>Up/ Add / Function Mode Key</p>	<p>This key accesses 4 different Modes or Functions.</p> <p>Loco Mode - Selecting a loco - This key will allow the user to browse up to the next address above the displayed address.</p> <p>Loco Mode - Loco Operation - This key will allow the user to increase the loco's speed each time the key is pressed or continuously if the key is held down.</p> <p>MU Mode - This key allows the user to make up a MU'ed consist from two locos selected on the throttle.</p> <p>Function Mode - When in the Function Mode, this key will access F1 or F5.</p>
 <p>Loco Mode ,Switch Mode, Function Mode Key</p>	<p>This key accesses 3 different Modes or Functions.</p> <p>Loco Mode - When in the Loco Mode, this key controls the forward / reverse direction of the loco assigned to the Left Throttle. (<i>Hint - there is a "L" above the double sided arrow indicating this key controls the Left Throttle direction.</i>)</p> <p>Switch Mode - When in the Switch Mode, this key will change the selected switch to the Thrown position.</p> <p>Function Mode - When in the Function Mode, this key will access F3 or F7.</p>