



### Panel Description

**Cancel/Reset/  
Test Button**  
*Undo parameter setting  
Reset relay after trip  
Test trip when hold for 5 secs.*

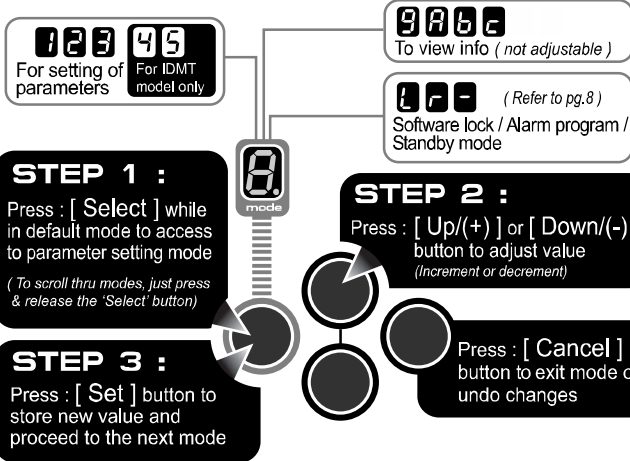
**Down/(-) Button**  
*Set value decrement*

*To displ  
value and to select mode*

## How to do setting

To go to the MODES for setting of parameters

Press 'Select' button when mode display is blank to access to Parameter Setting mode.



All modes exit automatically if left untouched for more than 20 seconds.  
( For fast increment or decrement, press and hold the UP or Down button )

### mode 1 IE > : To set fault current (%) model DTL / IDMT

- Step 1 :** Press [ Select ] once to enter mode 1.  
Display shows : 10 % - Factory Default Setting ( Range : 2% ~ 50% )
- Step 2 :** Set the desired fault current value using the [ Up / (+) ] or [ Down / (-) ] button.  
Newly selected value will flash.
- Step 3 :** Press [ Select ] to store / confirm new value and advance to mode 2 or press [ Cancel ] to undo changes.

### mode 2 t > : To set fault current trip time (sec.) model DTL only

- Step 1 :** Press [ Select ] until mode 2 is displayed.  
Display shows : 0.2 - Factory Default Setting ( Range : 0.03 ~ 10.0 seconds )
- Step 2 :** Set the desired fault current value using the [ Up / (+) ] or [ Down / (-) ] button.  
Newly selected value will flash.
- Step 3 :** Press [ Select ] to store / confirm new value and advance to mode 3 or press [ Cancel ] to undo changes.

### mode 2 Char IE > : To select IDMT curves model IDMT only

- Step 1 :** Press [ Select ] until mode 2 is displayed.  
Display shows : n 3.0 - Factory Default Setting ( Refer to page 12 for IDMT graphs )
- Step 2 :** Set the desired IDMT curves using the [ Up / (+) ] or [ Down / (-) ] button.  
Newly selected value will flash.
- Step 3 :** Press [ Select ] to store / confirm new value and advance to mode 3 or press [ Cancel ] to undo changes.
- If DTL curve is selected :  
Display will show : 0.03 ( range 0.03 ~ 10.0 sec ) in mode 2.

### mode 3 IE >> : To set High-set fault current (%) model DTL

- Step 1 :** Press [ Select ] until mode 3 is displayed.  
Display shows : OFF - Factory Default Setting ( Range : OFF or 20 % ~ 990 % )
- Step 2 :** Set the desired fault current value using the [ Up / (+) ] or [ Down / (-) ] button.  
( Trip Time fixed at 50 ms ) Newly selected value will flash.
- Step 3 :** Press [ Select ] to store / confirm new value and advance to mode 4 or press [ Cancel ] to undo changes.

### mode 3 TMI<sub>E</sub> > or TI<sub>E</sub> : To set Time-Multiplier model IDMT only

- Step 1 :** Press [ Select ] until mode 3 is displayed.  
Display shows : 0.10 - Factory Default Setting ( Range : 0.05 ~ 1.0 time - multiplier )
- Step 2 :** Set the desired fault current value using the [ Up / (+) ] or [ Down / (-) ] button.  
Newly selected value will flash.
- Step 3 :** Press [ Select ] to store / confirm new value and advance to mode 4 or press [ Cancel ] to undo changes.

### mode 4 IE >> : To set High-set fault current (%) model IDMT only

- Step 1 :** Press [ Select ] until mode 4 is displayed.  
Display shows : OFF - Factory Default Setting ( Range : OFF or 20% ~ 990% )
- Step 2 :** Set the desired high-set fault current value using the [ Up / (+) ] or [ Down / (-) ] button.  
Newly selected value will flash.
- Step 3 :** Press [ Select ] to store / confirm new value and advance to mode 5 or press [ Cancel ] to undo changes.
- If 'OFF' is selected, setting in mode 5 is disabled. To enable setting in mode 5, select a value.

### mode 5 TI<sub>E</sub> >> : To set High-set trip time model IDMT only

- Step 1 :** Press [ Select ] until mode 5 is displayed.  
Display shows : '- -' - Disabled when Mode 4 is set to 'OFF'  
\* Display shows : '0.02' - When mode 4 is not set to 'OFF' ( Range : 0.01 ~ 10.0 sec )
- Step 2 :** Set the desired fault current value using the [ Up / (+) ] or [ Down / (-) ] button.  
Newly selected value will flash.
- Step 3 :** Press [ Select ] to store / confirm new value and advance to mode 6 or press [ Cancel ] to undo changes.
- To enable setting in mode 5, go to mode 4 and set a value (%) instead of '- OFF'.

### mode 6 Operation Hour x1000 model DTL / IDMT

- This mode is not adjustable. For user to view the no. of hour the device in used only.  
Press [ Select ] until mode 6 is displayed.  
Display shows : '0.00' - No. of hour the unit is in used.  
To exit, press [ Cancel ]. e.g. 0.05 x 1000 = 50 hours

### mode ABC Trip Memory model DTL / IDMT

- This mode is not adjustable. For user to view tripped value only.  
Press [ Select ] until mode A is displayed.  
The display will show the most recent tripped value.  
Press [ Select ] again to go to mode B, the display will show the tripped value before A.  
Press [ Select ] again to go to mode C, the display will show the tripped value before B.
- To exit, press [ Cancel ].

### mode L-- Keypad Lock / Alarm / Standby model DTL / IDMT

To prevent unauthorized setting / To set alarm warnings

User can lock the keypad on the device to avoid unauthorized or accidental adjustment to the settings by following the steps below:

When NO mode is selected ( mode display is blank ),

Press [ Select ] and [ Cancel ] button simultaneously and hold for 5 seconds.

L - mode is displayed ( Lock mode ).

Display shows : OFF - Factory Default Setting ( OFF or ON ).

Press [ Up / (+) ] or [ Down / (-) ] button to select 'ON' or 'OFF'.  
Press [ Set ] button to confirm and proceed to 'r' mode.

r - mode is displayed ( Relay output alarm mode ).

Display shows : LC - Factory Default Setting.

Press [ Up / (+) ] or [ Down / (-) ] button to select.  
This programmable output is for relay function K2 only.  
Press [ Set ] button to confirm and proceed to 'r' mode.

- mode is displayed ( Standby mode ).

Display shows : ON - Factory Default Setting ( ON or OFF ).

Press [ Up / (+) ] or [ Down / (-) ] button to enable / disable standby mode.  
Press [ Set ] button to confirm and exit.

Standby Mode -

A flashing decimal on the mode display indicates standby mode is enabled. After about 3 minutes of idle and no fault is detected, running LED bar will be displayed instead of the real time fault current. Standby mode automatically exits on fault detection or when any button is pressed. When device trips, standby mode is temporarily de-activated until device is reset.

Alternatively, to enable / disable standby without entering standby programming mode, simply press [ Reset ] button when powering up the device.

## IDMT Graph

Time graph based on Time Multiplier 1.0 ( For IDMT model only )

