

## [SETTINGS] (SEt-) menu

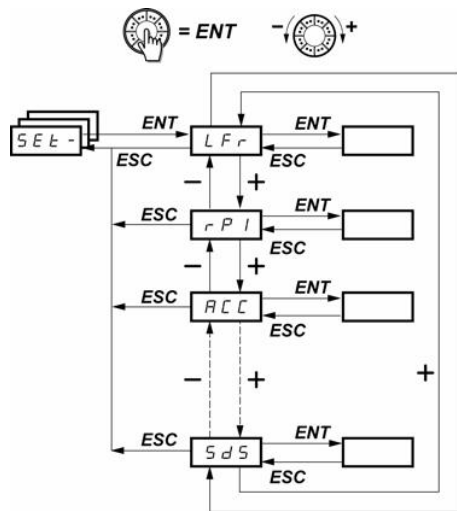
REF -  
SEt -  
drC -  
I - D -  
CtL -  
FLn -  
FLt -  
Cn -  
SUP -

Code	Description	Adjustment range	Factory setting
<b>SdS</b>	<p><input type="checkbox"/> <b>[Scale factor display]</b></p> <p>Used to display a value in proportion to the output frequency [Output frequency] (rFr): the machine speed, the motor speed, etc.</p> <ul style="list-style-type: none"> <li>If [Scale factor display] (SdS) ≤ 1, [Cust. output value] (SPd1) is displayed (possible definition = 0.01)</li> <li>If 1 &lt; [Scale factor display] (SdS) ≤ 10, [Cust. output value] (SPd2) is displayed (possible definition = 0.1)</li> <li>If [Scale factor display] (SdS) &gt; 10, [Cust. output value] (SPd3) is displayed (possible definition = 1)</li> <li>If [Scale factor display] (SdS) &gt; 10 and [Scale factor display] (SdS) x [Output frequency] (rFr) &gt; 9,999:</li> </ul> <p>the display will show</p> $\text{[Cust. output value] (SPd3)} = \frac{\text{[Scale factor display] (SdS)} \times \text{[Output frequency] (rFr)}}{1000} \text{ to 2 decimal places}$ <p>example: for 24,223, display will show 24.22</p> <ul style="list-style-type: none"> <li>If [Scale factor display] (SdS) &gt; 10 and [Scale factor display] (SdS) x [Output frequency] (rFr) &gt; 65,535, display locked at 65.54</li> </ul> <p>Example: Display motor speed for 4-pole motor, 1,500 rpm at 50 Hz (synchronous speed): [Scale factor display] (SdS) = 30 [Cust. output value] (SPd3) = 1,500 at [Output frequency] (rFr) = 50 Hz</p>	0.1 to 200	30
<b>SFr</b>	<p><input type="checkbox"/> <b>[Switching freq.]</b> (1)</p> <p>Parameter can also be accessed in the [MOTOR CONTROL] (drC-) menu. The frequency can be adjusted to reduce the noise generated by the motor.</p> <p>If the frequency has been set to a value higher than 4 kHz, in the event of excessive temperature rise, the drive will automatically reduce the switching frequency and increase it again once the temperature has returned to normal.</p>	2.0 to 16 kHz	4 kHz

(1)Parameter can also be accessed in the [MOTOR CONTROL] (drC-) menu.

## [SETTINGS] (SEt-) menu

REF -  
SEt -  
drC -  
I - O -  
CtL -  
FUN -  
FLt -  
CON -  
SUP -



Speed reference via the display terminal

Scaling factor for the [Cust. output value] (SPd1) parameter

The adjustment parameters can be modified with the drive running or stopped.

**Note:** Changes should preferably be made with the drive stopped.

Code	Description	Adjustment range	Factory setting
LFr	<input type="checkbox"/> <b>[HMI Frequency ref.]</b>  This parameter is displayed if [HMI command] (LCC) = [Yes] (YES), page 61 or if [Ref.1 channel] (Fr1)/[Ref.2 channel] (Fr2) = [HMI] (LCC) page 58, and if a remote display terminal is connected. In such cases, [HMI Frequency ref.] (LFr) can also be accessed via the drive's keypad. [HMI Frequency ref.] (LFr) is reinitialized to 0 when power is switched off.	0 to HSP	-
rPI	<input type="checkbox"/> <b>[Internal PID ref.]</b>  Parameter is only visible if [PID feedback ass.] (PIF) is not set to [No] (nO), page 81.	0.0 to 100%	0%
ACC	<input type="checkbox"/> <b>[Acceleration]</b>  Defined to accelerate from 0 to the nominal frequency [Rated motor freq.] (FrS) in the [MOTOR CONTROL] (drC-) menu.	In accordance with <i>Inc</i> , page 63	3 s
ACC2	<input type="checkbox"/> <b>[Acceleration 2]</b>  Parameter can be accessed if [Ramp 2 threshold] (Frt) > 0, page 64, or if [Ramp switch ass.] (rPS) is assigned, page 64.	In accordance with <i>Inc</i> , page 63	5 s
dEC2	<input type="checkbox"/> <b>[Deceleration 2]</b>  Parameter can be accessed if [Ramp 2 threshold] (Frt) > 0, page 64, or if [Ramp switch ass.] (rPS) is assigned, page 64.	In accordance with <i>Inc</i> , page 63	5 s
dEC	<input type="checkbox"/> <b>[Deceleration]</b>  Defined to decelerate from the nominal frequency [Rated motor freq.] (FrS) (parameter in the [MOTOR CONTROL] (drC-)) menu to 0. Check that the value for [Deceleration] (dEC) is not too low in relation to the load to be stopped.	In accordance with <i>Inc</i> , page 63	3 s



These parameters only appear if the corresponding function has been selected in another menu. When the parameters can also be accessed and set from within the configuration menu for the corresponding function, their description is detailed in these menus, on the pages indicated, to aid programming.