

End of Travel Limits

This function can automatically slow and stop a crane or hoist when it reaches the end of travel limits. Two types of limit inputs (slowdown and stop) are available in both travel directions. Inputs can be programmed through the S4IF card.

Table 5-17: End of Travel Limits Parameter Settings

Parameter Code	Display	Function	Range	Initial Value
C03-01	Up Limit 1 Speed	Speed when UL1 is detected	0.00–E01-04 Hz	6.00
C03-02	UL1 Decel Time	Decel time when UL1 is detected	0.0–25.5 sec**	1.0
C03-03	UL2 Stop Time	Decel time to STOP when UL2 is detected	0.0–25.5 sec**	1.0
C03-04	Low Limit1 Speed	Speed when LL1 is detected	0.00–E01-04 Hz	6.00
C03-05	LL1 Decel Time	Decel time when LL1 is detected	0.0–25.5 sec**	1.0
C03-06	LL2 Stop Time	Decel time to STOP when LL2 is detected	0.0–25.5 sec**	1.0
C03-07	Lmt Stop Method	Determines the stopping method when UL2 or LL2 is detected	0-2	2*
	0 Decel to Stop			
	1 Coast to Stop			
	2 Use B03-03 Method			
C03-08	UL3 Stop Method	Weight Limit Stop Method and action when H01-xx = 12 or 62	0-5	4
	0 Decel / Alarm	Decel to Stop with Alarm (no further raise allowed)		
	1 Coast / Alarm	Coast to Stop with Alarm (no further raise allowed)		
	2 Use B03-03/Alarm	Use B03-03 to Stop with Alarm (no further raise allowed)		
	3 Decel / Fault	Decel to Stop with Fault		
	4 Coast / Fault	Coast to Stop with Fault		
	5 Use B03-03/Fault	Use B03-03 to Stop with Fault		
C03-09	UL3 Dec Time	Sets the deceleration time when H01-xx = 12 or 62	0.0–25.5 sec	1.0

* Initial value is determined by X-Press Programming (Table 4-5, 4-6, or 4-7 on pages 4-11, 4-12, and 4-13).

** Range is extended to 0.0–6000.00 when B05-16 = 1.