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## DT21BreakEnc

**D** = Device(oopos-oopos2)

**T** = Control functions

The DT21BreakEnc function executes a check to see any problems on the On/Off axes movement. The function commands a stop device (or report the emergency through the flag), when with the active forward or back output, the axis, in the time set in *TmCntrl* parameter, covered at least the space set to the *MinSpost* parameter.

## IMPLEMENTATION

### DT21BreakEnc(Axis, MinSpost, TmCntrl, EmrgOn, AlmEnc)

Parameters:

IN/OUT	VARIABLE TYPE	EXAMPLE NAME	DIM	
IN	OOPOS OOPOS2 OOPOS3	Axis (INTDEVICE)	-	Device type to which you can apply the function
IN	SYSTEM	MinSpost	L	Minimum displacement value to do over time <i>TmCntrl</i> (UM)
IN	SYSTEM	TmCntrl	L	Time to execute the minimum movement <i>MinSpost</i> (msec)
IN	SYSTEM	EmrgOn	F	If the Flag is set to 1, if an alarm function, gives a stop command to the device; is set to 0 the function simply set the alarm flag
IN	SYSTEM/ GLOBAL	AlmEnc	F	Alarm Flag. Set to 1 when the function detects the alarm, (regardless of the value of the <i>EmrgOn</i> parameter).

### Example

```
MinSpost = 10      ;(10 units of measure of displacement)
TmCntrl = 1000     ;(1secTime in which to execute the MinSpost space)
EmrgOn = 0        ;(Enable only the flag and not the stop command directed to the device)
DT21BreakEnc(Axis, MinSpost, TmCntrl, EmrgOn, AlmEnc)
IF AlmEnc
  IF NOT Axis:st_still
    STOP Axis
  ENDIF
ENDIF
```

### Note

- The AlmEnc flag is reset automatically when the emergency situation becomes invalid (stoped device).

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