

Command:RUNAWAY (RU)

MS2000 or RM2000 syntax

Shortcut	RU
Format	RU [axis] = [distance]... (9.2m and later, earlier RU X=n)
Units	millimeter
Remembered	Using SS Z

Tiger syntax

Shortcut	RU
Format	RU [axis] = [distance]...
Units	millimeter
Type	Axis-Specific
Remembered	Using [addr#]SS Z

This command sets the servo loop error limit before the motors will be disabled. The value n, is the distance in millimeters that the internal servo target and the actual position can differ before the motor is disabled. Default is 1 to 2 mm. If spurious disable conditions are encountered, increase this number. For more sensitive crash protection, decrease this number. Prior to MS-2000 version 9.2f and TG-1000 version 3.20 a single value applied to all axes (Tiger card-addressed) but afterwards it is axis-specific. Prior to MS-2000 version 9.2m and TG-1000 version 3.20 only integer values were allowed, but afterwards floating point numbers are allowed and reported.

Reply

A positive reply of :A is sent back when the command is received correctly.

MS2000 Example

```
RU X=5
:A
```

Sets runaway sensitivity to 5mm on the X axis for 9.2m and later, sets the sensitivity on all axis for 9.2l and earlier.

Tiger Example

```
1RU X=5
:A
```

Sets runaway sensitivity to 5mm on all axes in card #1 in v3.19 and earlier, would only set the X axis (assuming it's on card #1) on v3.20 and later.

[commands](#), [tiger](#), [ms2000](#)

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