



Jetter

Technical Information
Version Update

24 February 2002

NANO PID1,
Version 1.05

News on the NANO PID1 Module Version 1.05

Quotient for pre-control setpoint value

The formula for the pre-control setpoint has been changed, it is now:
pre-control setpoint value = $1xy02 * 1xy10 / 1xy14$. This value will be added to the PID components. With this new quotient, the formula causes much softer behaviour. The calculated pre-control setpoint value must range between -30720 and +30719.

Register 1xy10: Coefficient for pre-control setpoint value

Function	Description
Read	Read the actual coefficient
Write	Write a new coefficient
Value Range	-10000 .. +10000
Value after Reset	0

Register 1xy14: Quotient for pre-control setpoint value

Function	Description
Read	Read the actual quotient
Write	Write a new quotient
Value Range	1 .. 10000
Value after Reset	1

Due to default value '1' in register 1xy14, version 1.05 is fully backward compatible.