Quick Setup Guide NTS1

DRFA
Die Referenz für Antriebstechnik

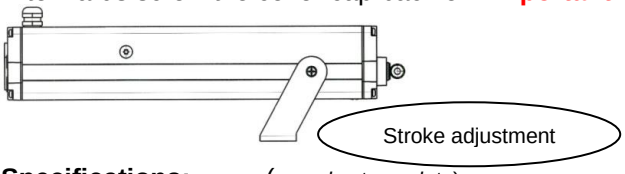
The actuator may only be put into operation by an acknowledged specialist!

The spindle actuator NTS1 enables the performance of a linear movement. It consists of a strong gear motor and an actuator. The load to be moved gets fastened to the eye bolt of the thrust tube.

Installation: The spindle actuator NTS1 is installed into the dovetail track using the sliding blocks and the U-bracket. Optionally a rigid dovetail console is also available (Order no. 2700105).

Note: The actuator possesses internal end position switches and overload cut-off.

Stroke adjustment: The extended stroke is infinitely variable (see picture below). In this connection the cover cap has to be unscrewed and the thrust tube has to be in its extended end position. Keep hold of the front adjusting ring using **two** crosswise insert allen keys or 2 little screwdriver and retract the thrust tube to the desired extend length. Afterwards screw the cover cap back on. **Important:** In case the ring is held with just one screwdriver, it could break!



Specifications: (*see also type plate*)

Voltage / Current:	24VDC (19...30 VDC) / 0,9A / 2A
Voltage / Current:	230VAC (90-265 VAC) / <50VA
Compressive-, Tensile force:	200 until 1500N (*see type plate*)
Static loading :	2000N
Speed:	3 / 13 / 37mm/sec. (*see type plate*)
Protection level:	IP55
Duty cycle:	50%
Temperature ranges:	-20°C to +60°C
Stroke (adjustable):	100/150/200/300/400/500/600mm

Mind minimum cross-section during cable connection
If connector cable is defective, sent the actuator back

230VAC colour coding NTS1 connector cable:
→ yellow/ green: „PROTECTIVE CONDUCTOR“
→ grey: „COMMON“
→ brown: „EXTEND“
→ black: „RETRACT“
→ pink and orange: „Communication conductors“

24VDC colour coding NTS1 connector cable:
=> blue (-) brown (+): EXTEND
=> blue (+) brown (-): RETRACT
=> pink and orange: „Communication conductors“

Option:
Signal contact: For the specification with signal contact 4 strands are provided in addition. 2 strands each put out one potential-free switch contact in the end position of the thrust tube. (max. 250V /1 A)

230VAC Version	→ Colour blue and purple: „Signal contact shuts if thrust tube is extended“
	→ Colour red and white: „Signal contact shuts if thrust tube is retracted“
24VDC Version (max. 1A)	→ Colour grey and purple: „Signal contact shuts if thrust tube is extended“
	→ Colour red and white: „Signal contact shuts if thrust tube is retracted“

Important: Signal contacts don't shut in case of cut-off caused by overload.

Tandem running: Connect two same-coloured strands (pink and orange) with the respective others.
Important: The wire must not be applied to voltage otherwise they will destruction the electronic system!
The switchover time in the end position close from "PULL IN" to "PUSH OUT" is 3 seconds!
The retracted end position must be reached in order to compensate the lifting offset.

Accessories:
Remote control: Item No. 2211118 GO-1 handheld transmitter 1-channel, ETR radio system (433 MHz) and Item No. 2211016 GO-er external receiver, ETR radio system (433 MHz).

Maintenance: The spindle actuator NTS1 is maintenance-free during its entire life expectancy.

Manufacturing standards: CE, ROHS, EMV, further ones currently under evaluation.

With very long connection leads, voltage feedback can occur. In this case, the connection cables must be routed via an external relay circuit (article no. S1B-0111-00), one circuit per actuator is required.

Glue the M6 threads of the eye screw tightly to ensure IP55.

For the conservation of the environment please find the detailed operating manual on our homepage.