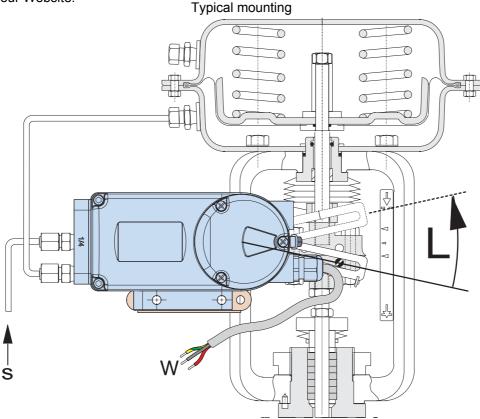
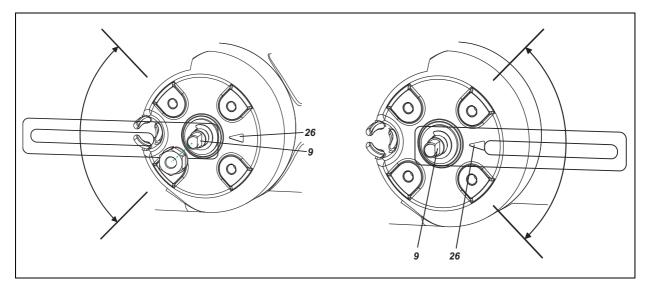
SRD998 Intelligent Positioner (Version HART Basic Diagnostic)

These instructions are to be used as a guide for quick start-up. For more detailed information please refer to the standard documents "Master Instructions" and "Product Specification Sheet". These can be found on our Website.



1. MOUNTING TO ACTUATORS

During operation, the flat side of the spindle **9** on the back of the positioner must **always** point towards the arrow **26**. The working angle around this position is $\pm 45^{\circ}$.

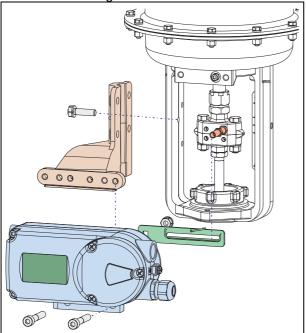


Life Is On



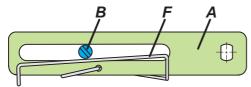
MOUNTING TO LINEAR ACTUATORS





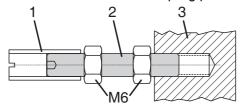
Feedback lever for linear actuators :

The carrier bolt **B** is in the slot of the feedback lever **A** and the compensating spring **F** touches the carrier bolt.



Carrier bolt B:

1 threaded sleeve 2 Stud 3 coupling piece

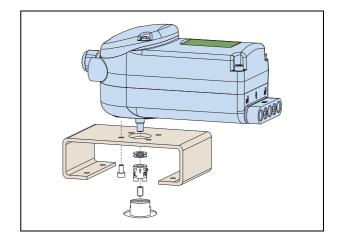


MOUNTING TO ROTARY ACTUATORS

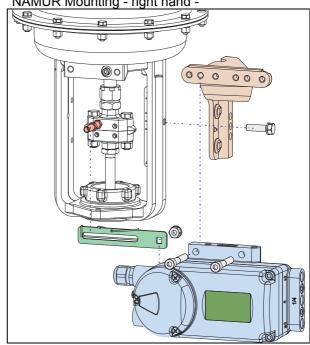
• Do not tighten grub screw 4 against the thread of spindle 9!

• When in use the flat side of the spindle 9 must move ($0 \leftrightarrow 100\%$) in front of the arrow 26.

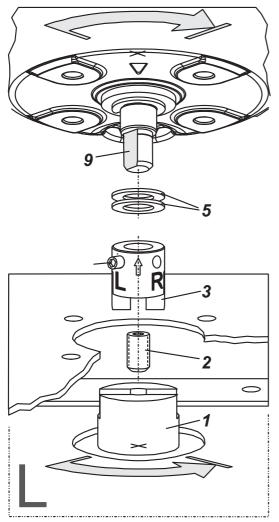
• When the product temperature rises, the drive shaft 1 increases in length. Therefore, the rotary adapter 3 must be mounted so that approx. 1 mm (0.04 in.) of clearance results between the drive shaft 1 and the rotary adapter 3. This is achieved by placing an appropriate number of washers 5, on the feedback spindle 9, before attaching the rotary adapter. Two washers should result in a clearance of 1 mm.

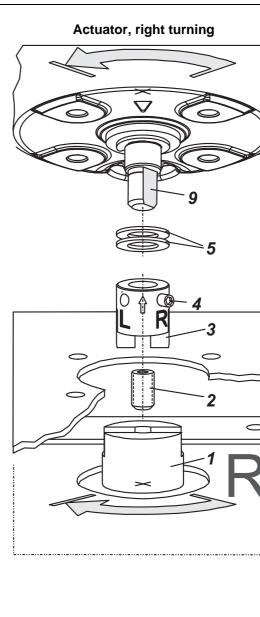


NAMUR Mounting - right hand -



Actuator, left turning





2. CONNECTIONS

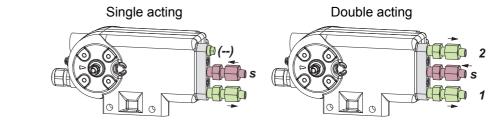
Check before mounting fittings and cable glands if threads are matching, otherwise housing can be damaged. NPT thread is marked at connection block.

Ground

Connect earth cable to screw **4** (see next page) inside or outside of the electrical compartment.

PNEUMATIC CONNECTIONS

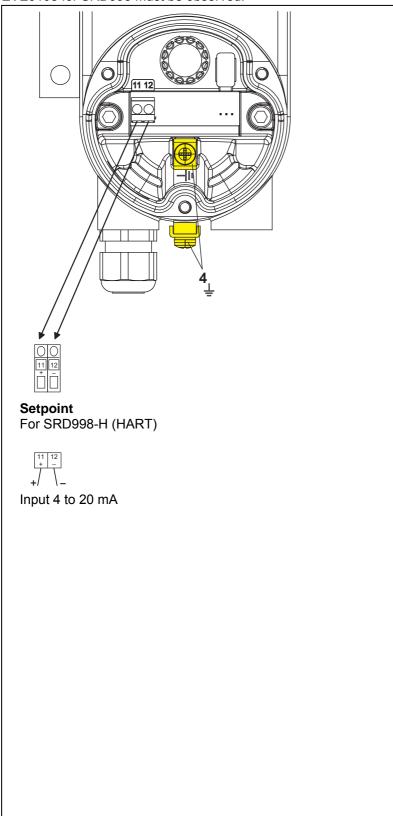
Air supply (s): 1.4 to 6 bar (but not more than the max. pressure of actuator), free of oil, dust and water !



s: supply Y=Y1=I, Y2=II: pneumatic outputs (--): closed

3. ELECTRICAL CONNECTIONS

The safety requirements of document EX EVE0108 as well as the requirements of PSS EVE0108 and MI EVE0108 for SRD998 must be observed!

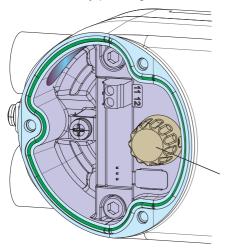


4. START UP (Setting by means of Rotary Selector and LCD)

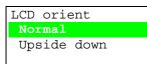
After mounting the positioner on the actuator, air and electrical input connected, you can start-up the SRD. **Configuration of SRD** can be carried out via PC, HART communication and FDT/DTM software, or local with the Rotary Selector **15** and LCD. This is decribed on the following pages.

Attention: Do not touch behind the positioner housing! DANGER OF INJURIES!

Setting by means of Rotary Selector and LCD The SRD can be adjusted when the cover is removed. To configure the various items, select the relevant menu by turning the Rotary Selector **15** and confirm by pushing it down.



After power ON, the SRD goes to configuration, if no Autostart has already been done. Then first select display orientation ...



Select with Rotary selector and confirm by pushing it down

... and the LCD text language is selected...

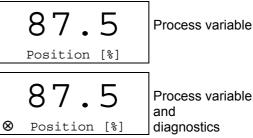
Language English Deutsch Français

... then automatically continued to configuration:

SRD	Main	Menu	
Μοι	intin	g	
Autostart			
Va	lve A	ction	

To leave any menu, select "Exit" and confirm by pushing down the Rotary Selector.

Display at IN OPERATION



By *turning* the Rotary Selector, further information of process will be displayed.

By *pushing down* the Rotary Selector, the configuration menus will be displayed.

At configuration, the selected item is displayed with dark background.

Display at configuration: Main menu

SRD Main Menu	
Mounting	In menu 1 you can
Autostart	select the type of
Valve Action	mounting:

Mounting Stroke left Stroke right Rotary ccw

Stroke actuator, left-hand mount. Stroke actuator, right-hand mount. Rotary actuator, opening ccw Rotary actuator, opening cw Linear potentiometer

Select, confirm and exit to Main menu. Now turn Rotary Selector to select Autostart:

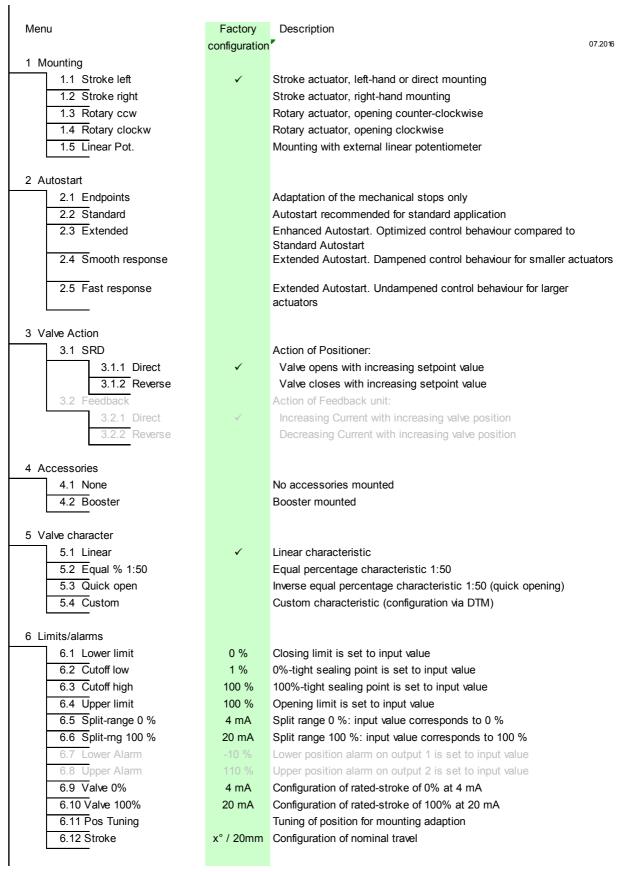
Push Rotary Selector,
and different Autostart
options are available:

Endpoints	Determines only the mechanical stops of actuator/valve
Standard	Recommended for standard application
Enhanced	Optimized control behaviour compared to Standard Autostart.
Smooth resp.	Damped control behaviour for smaller actuators
Fast resp.	Undamped control behaviour for larger actuators.

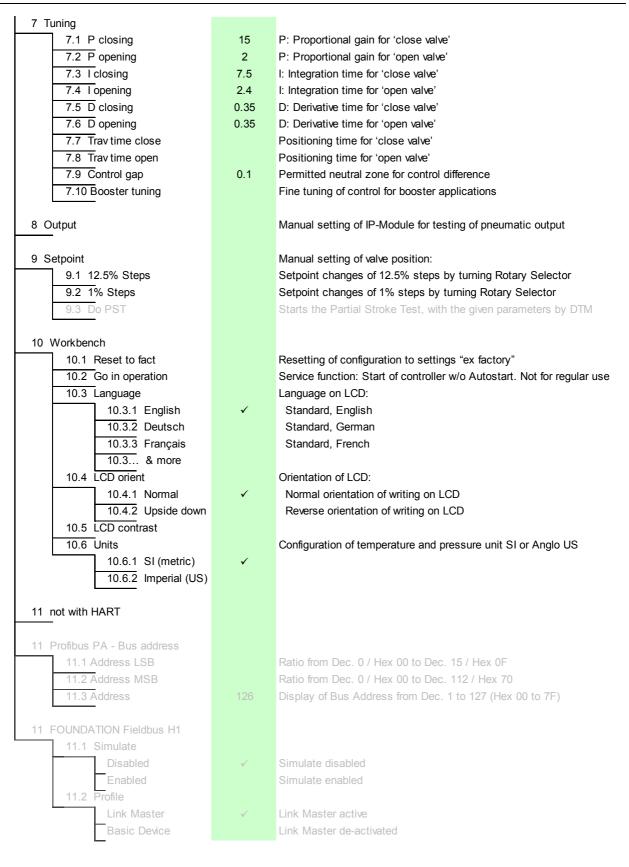
Select and confirm to launch Autostart. After exit the device is IN OPERATION.

Menu structure for SRD998

SRD Main Menu



QG EVE0108 A-(en)



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