

Low power consumption — Optimised handling — Extended lifetime

PREMIO®-Plus 2G

The new generation of variable actuator technology

NEW
from ARI!



Now available with optional LED status display!

Your benefit: The display reports normal operation, maintenance and possible malfunctions in a way that is clearly visible (360° circumference).



Optional: Switched-mode power supply, e.g. for 115 V or 230 V, available as a separate retrofit

- New: BLDC motor for significantly reduced power consumption
- Even more user friendly operator panel with variable control speeds
- Improved Economy Function for extended lifetime

New from ARI: PREMIO®-Plus 2G with BLDC motor
for significantly reduced power consumption

PREMIO®-Plus 2G: High-Performance



New: Brushless DC motor (BLDC)

- New BLDC motor generation, exceptionally smooth and quiet operation due to the circular rotating field
- Significantly reduced power consumption due to increased efficiency
- High cyclic duty factor (CDF) even at high actuating forces because self-heating of the motor is restricted to a minimum
- Reliable position detection due to integrated Hall sensors



New: Standard actuator for 24 V AC/DC

- Variable speed setting with switches allows local selection of the control speed
- Variable speed control extends the gear lifetime
- High durability and precision because small positional deviations are approached at low speed
- Improved Economy Function, due to an efficient and low-wearing conversion of control signals



Energy efficient wide-voltage power supply

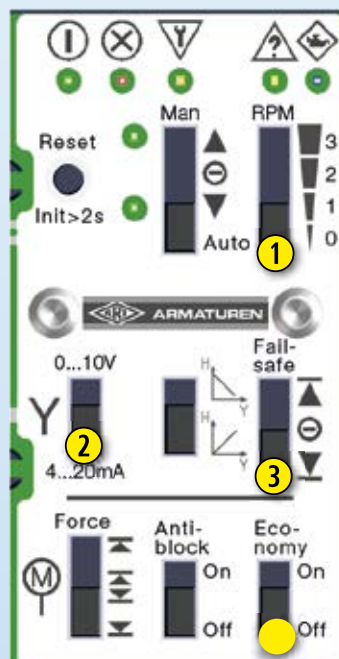
- Greater flexibility because the switched-mode power supply is available as a separate retrofit
- Wide-voltage power supply ensures compatibility with a broad voltage range (AC from 90 to 264 V / 47 to 63 Hz or DC from 137 to 370 V)

Additional benefits of the PREMIO®-Plus 2G

- Automatic adjustment to the valve lift due to the self-initialisation feature
- Manual override
- IP65
- Actuating force: 2.2 kN, 5 kN, 12 kN or 15 kN
- Permissible ambient temperature: -20°C to +70°C
- Priority control for 3-point signals, e.g. for anti-freeze function
- Tight closing function
- Detection and suppression of interference on the signal line
- Automatic fault detection (including emergency functionality)
- Integrated humidity sensor with heating elements avoids condensation
- Position and warning signal via relay contact

Modular design for optional accessories:

- Fail-safe function closes on power failure
- Potentiometer
- Position feedback
- PID process controller



1 Variable speed
Motor speed set using slide switch

2 Positioner
Selectable analogue control signal: 0 to 10 V or 4 to 20 mA

3 Fail-Safe-Position
Settable fail-safe position in case of control signal failure

4 Economy-Funktion
Improved, switchable Economy Function allows an efficient, low-wearing conversion of control signals



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