

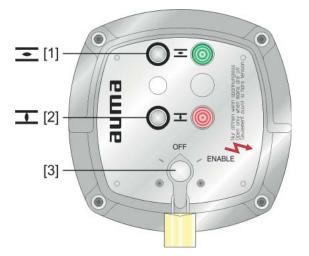
This sheet is a supplement to operation instructions on actuators with AMBExC 01.1 actuator controls in special versions COKE DRUM, EBV VALVE and SWITCH VALVE.

For these versions, the following descriptions differ from those of the respective operation instructions.

COKE DRUM version

Local operation

Figure: Local controls – push buttons



[1] OPEN	Push button for operation command in direction
[2] CLOSE	Push button for operation command in direction
[3]	Selector switch: Local operation on/off: Position OFF = Local operation off Position ENABLE = Local operation on (Selector switch can only be locked in position OFF)

Local control is performed using the two push buttons [1, 2] and selector switch [3].

 \rightarrow Turn selector switch [3] to position ENABLE and hold,

then press or hold down push buttons [1] or [2] (push-to-run operation).

The actuator will be operated in direction OPEN/CLOSE while the selector switch is held in position ENABLE and either push button OPEN or CLOSE is pushed.

Actuator operation from remote

Remote control is performed using operation commands at OPEN, CLOSE, ENABLE inputs (refer to wiring diagram).

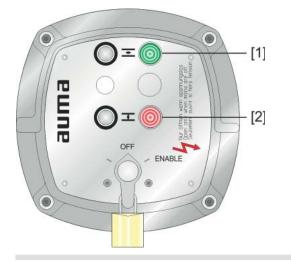
→ Apply signal (+24 V DC) at ENABLE input,

then send operation command (+24 V DC) via OPEN or CLOSE inputs (push-to-run operation).

The actuator will be operated in direction OPEN/CLOSE while a signal is present at the ENABLE input and an operation command is performed via one of the two inputs (OPEN/CLOSE).

Indication lights

Figure: Local controls – indication lights



- [1] Indication light is illuminated in green: End position OPEN reached
- [2] Indication light is illuminated in red: End position CLOSED reached

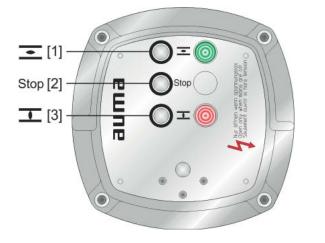
Green and red indication lights are illuminated at the same time: Actuator in intermediate position

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EBV VALVE version

Local operation

Figure: Local controls – push buttons



Push button for operation command in direction
 OPEN
 Push button Stop
 Push button for operation command in direction

Local control is performed using the three push buttons [1 - 3].

- → To issue an operation command in direction OPEN/CLOSE: Press push button [1] or [2] briefly (self-retaining).
- \rightarrow To stop the actuator: Press push button Stop [3].

(A stop can also be performed via remote control using the STOP input)

Actuator operation from remote

Remote control is performed using operation commands at OPEN, CLOSE, STOP inputs (refer to wiring diagram).

 \rightarrow Apply operation command (+24 V DC) to OPEN or CLOSE inputs (self-retaining).

To stop the actuator: Apply signal (-24 V DC) to STOP input.

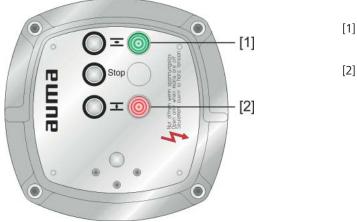
Bypass motor protection

- **CAUTION:** When bypassing the motor protection (refer to wiring diagram: "Bypass motor protection"), the approval for use in potentially explosive atmospheres becomes void.

CLOSE

Indication lights

Figure: Local controls – indication lights



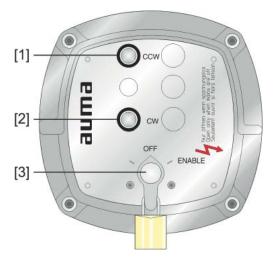
-] Indication light is illuminated in green: End position OPEN reached
- [2] Indication light is illuminated in red: End position CLOSED reached

Green and red indication lights are illuminated at the same time: Actuator in intermediate position

SWITCH VALVE version

Local operation

Figure: Local controls - push buttons



- [1] Push button for operation command: Operation in counterclockwise direction
- [2] Push button for operation command: Operation in clockwise direction
- [3] Selector switch: Local operation on/off:
 Position OFF = Local operation off
 Position ENABLE = Local operation on
 (Selector switch can only be locked in position OFF)

Local control is performed using the two push buttons [1, 2] and selector switch [3].

 \rightarrow Turn selector switch [3] to position ENABLE and hold,

then press or hold down push buttons [1] or [2] for operation command in directions OPEN/CLOSE (push-to-run operation). The actuator will be operated in counterclockwise direction while the selector switch is held in position ENABLE and either push button CW or CCW is pushed.

Actuator operation from remote

Remote control is performed using operation commands at CCW, CW, ENABLE inputs (refer to wiring diagram).

→ Apply signal (+24 V DC) at ENABLE input,

while sending operation command (+24 V DC) via CCW or CW inputs (push-to-run operation).

The actuator is operated in clockwise or counterclockwise direction while a signal is present at the ENABLE input and an operation command is performed using one of the two inputs (CCW/CW).

Indication lights

The SWITCH VALVE version is not equipped with indication lights on the local controls.