

INSTALLATION DOCUMENT PACKAGE

Installation Instructions

ABB

V18345-2010421001

TZIDC ELECTRO-PNEUMATIC POSITIONER

Applicable product family: ABB TZIDC valve positioners

OFFICIAL SOURCE

V18345-2010421001.pdf

The following pages are selected from the supplied manufacturer document and retain their original page content.

2 Mounting versions

2.1 To linear actuators in accordance with the standard

Lateral attachment is in accordance with DIN / IEC 534 (lateral attachment to NAMUR). The required attachment kit is a complete set of attachment material, but does not include the screwed pipe connections and air pipes.

2.2 To rotary actuators in accordance with the standard

This attachment is designed for mounting according to the standard VDI/VDE 3845. The attachment kit consists of a console with mounting screws for mounting on a rotary actuator. The adapter for coupling the positioner feedback shaft to the actuator shaft has to be ordered separately. Screwed pipe connections and air pipes have to be provided on site.

2.3 Integral mounting to control valves

The TZIDC positioner featuring single acting pneumatic action is also suitable for integral mounting.

The required holes are found at the back of the device.

The benefit of this design is that the point for mechanical stroke measurement is protected and that the positioner and actuator are linked internally. No external tubing is required.

2.4 Special actuator-specific mounting

In addition to the mounting methods described above, there are special actuator-specific attachments.

Please contact us for details.

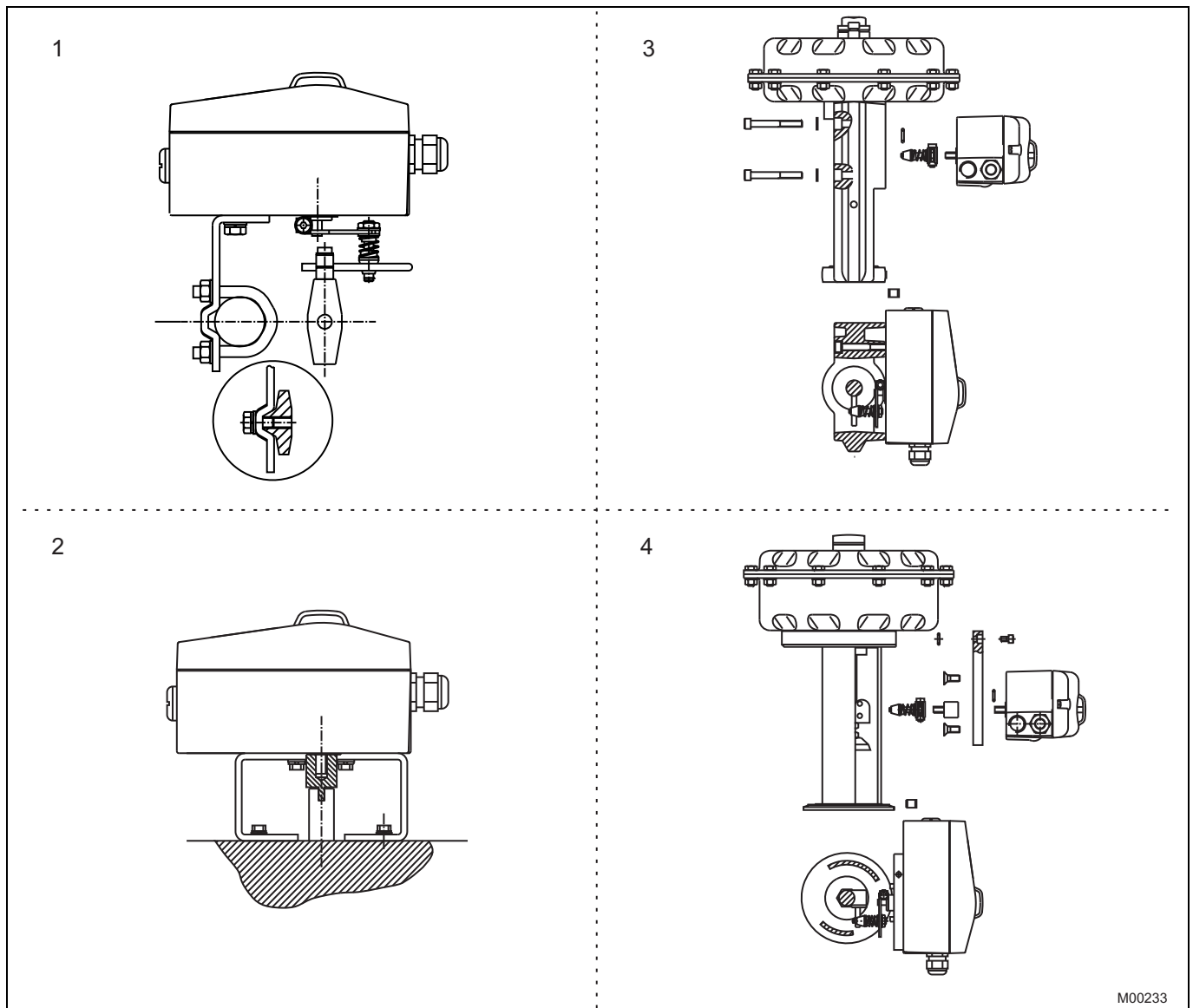


Fig. 2: Mounting options

- | | |
|--|---|
| 1 Mounting to linear actuators acc. to DIN / IEC 534 | 3 Integral mounting to control valves |
| 2 Mounting to rotary actuators to VDI / VDE 3845 | 4 Integral mounting to control valves by using an adapter panel |

7 Dimensions

All dimensions in mm (inch)

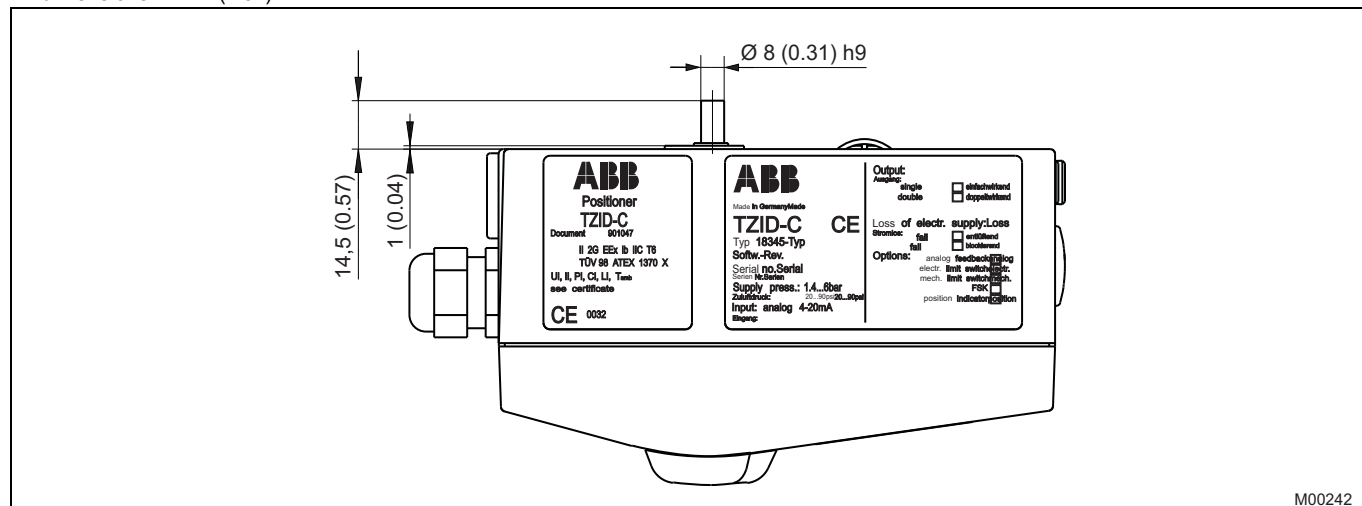


Fig. 9: Top view

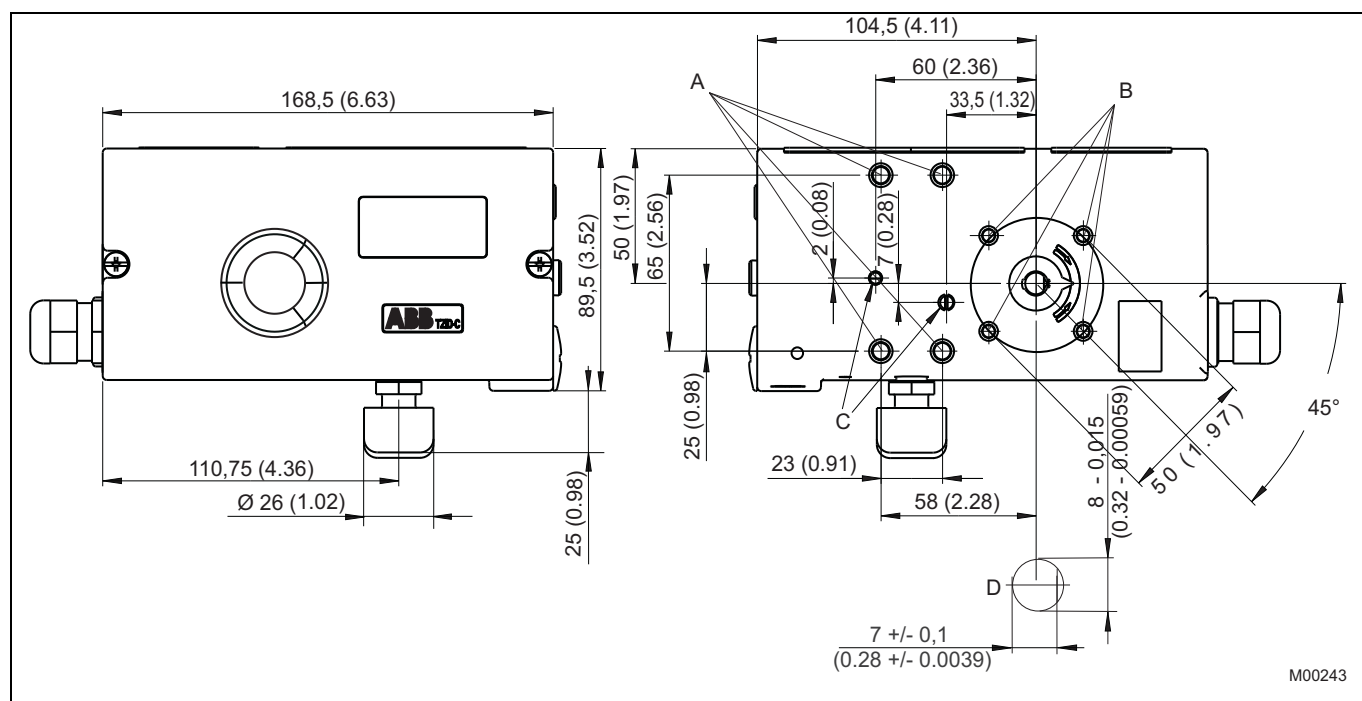


Fig. 10: Front and rear views

- A Tap hole M8 (10 mm low)
- B Tap hole M6 (8 mm low)

- C Tap hole M5 x 0.5 (air vents for direct mount)
- D Sensor shaft (larger than scale)

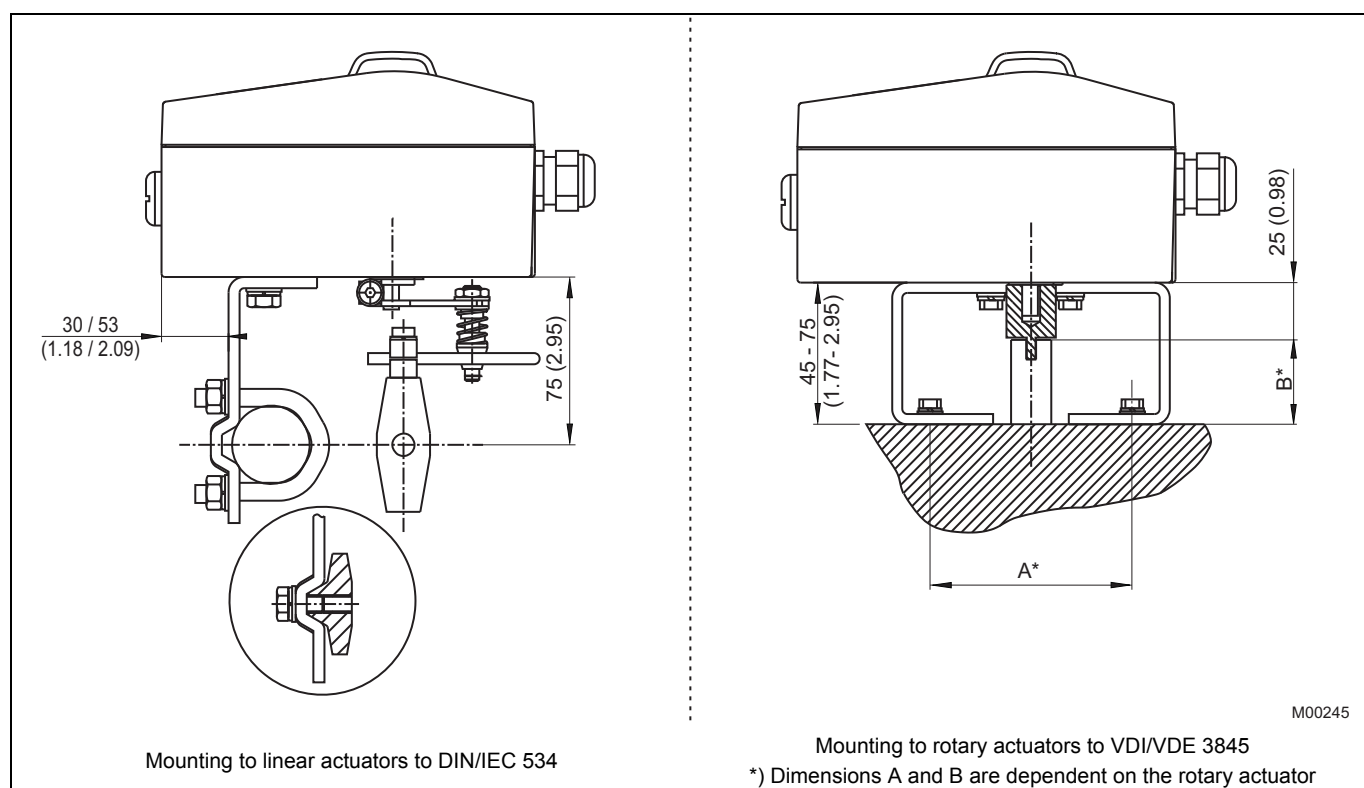
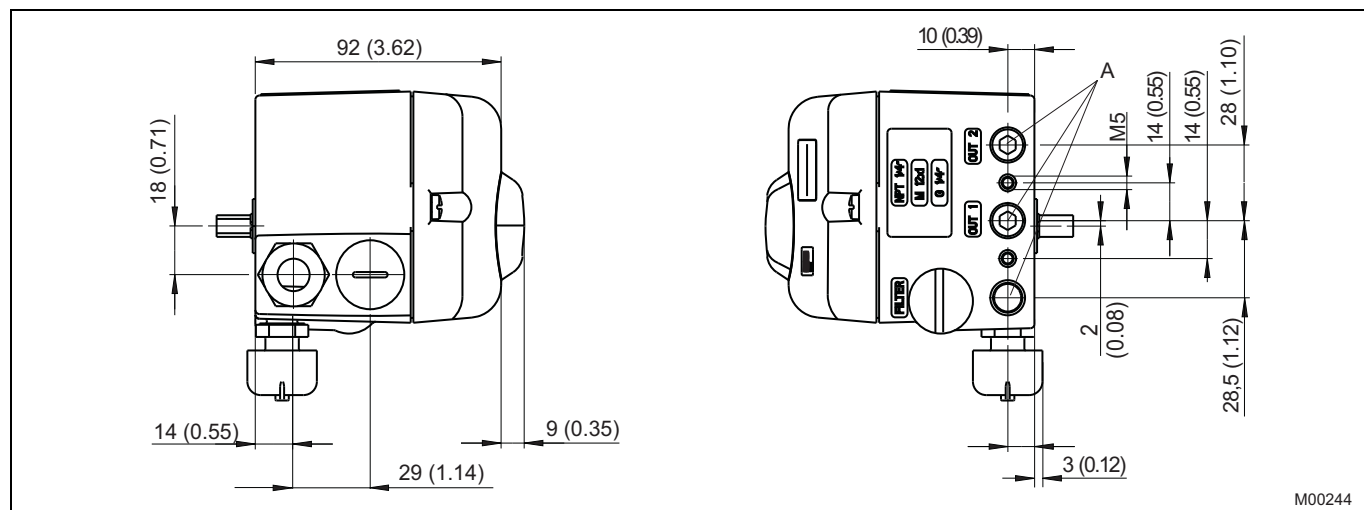


Fig. 12: Mounting drawings