

# Adjustments to Maintenance Instructions for RTB Push Buttons

In the RTB customer information “Sensor Push Button 230V” (RTB Doc-ID AHS-832 dated 30.04.2026), a specific updated maintenance recommendation was announced as Annex 2. This document hereby specifies the content-related amendments to the installation and operating instructions for RTB push buttons.

## Chapter “Maintenance – Normative Requirements” (Req 27-1801)

The requirements regarding the competence of qualified personnel for traffic signal systems according to DIN VDE 0832-110 also apply to the maintenance of pedestrian push buttons. Push buttons are part of the overall traffic signal system according to DIN VDE 0832-100 and must therefore be maintained as an integral component of this system.

## Chapter “Required Maintenance Work” (Req 27-1799)

The following maintenance work must be carried out at least every 12 months:

- Inspection of all functions according to the traffic signal system layout plan, including all intended detectors and actuators of the push button.
- Visual inspection of the closed housing for externally visible damage (cracks, physical damage, leaks).
- Gap measurement inspection in the shadow gap between the cover assembly and the upper push-button cap (see sketch): a feeler gauge with a thickness of 1.5 mm must not be insertable.
- Check the alignment of the directional arrow (if present).

If there is any indication of irregularities regarding one of the points mentioned above, the push-button housing must be opened while observing the electrical safety instructions. No continuous layer of dirt or signs of corrosion may be visible on internal housing surfaces, circuit boards, or connection terminals. If corresponding contamination or corrosion characteristics are identified, the affected assembly must be replaced.

## Chapter “Push Buttons with Operating Voltage 230V” (Req 27-1800)

For pedestrian push buttons operated with 230 V AC, we additionally recommend that, within suitable intervals determined by the operator as part of the risk assessment process, but at the latest every 60 months, the interior of the housing should be inspected for contamination or signs of corrosion.

- This inspection includes opening the push-button housing and visually inspecting the interior.
- Before opening the housing, the equipment must be placed in a safe condition and disconnected from the power supply.

- The inspection serves in particular to identify contamination that is not externally visible. It must be checked whether there is a continuous dirt layer on internal housing surfaces or corrosion/corrosion traces on circuit boards or terminals.
- If corresponding contamination or corrosion characteristics are identified, the affected assembly must be replaced.
- This assessment must be carried out taking into account the continued compliance with the requirements for creepage and clearance distances according to DIN EN IEC 60664-1 as well as the protective measure “double or reinforced insulation” according to DIN EN 61140 / DIN VDE 0100-410.