

Norton 7500 Door Closer Installation Guide

Overview

The Norton 7500 series automatic door closer is a reliable, field-adjustable unit suitable for commercial and institutional applications. This guide covers installation procedures, configuration options, and adjustment techniques.

Arm Types Available

Regular arm: Standard installation, arm extends from closer body (90-120 degrees typical). Hold-open arm: Provides hold-open function at 90 or 120 degrees, typically with automatic or magnetic release. Top jamb arm: Mounts in door head frame for specialty applications with limited space.

Standard Mounting Configurations

Face mounting: Closer mounted on door face visible after installation. Header mounting: Closer mounted on door frame above door. Soffit mounting: Overhead mounting between door and frame for decorative appearance. Each configuration uses different mounting brackets and arm lengths.

Valve Adjustments for Sweep Speed

Sweep speed controls door closing velocity from 90 degrees to latch position. Locate sweep speed screw (typically rear of closer body). Clockwise rotation increases speed. Adjust 1/4 turn increments until door closes in 3-6 seconds. Test multiple cycles.

Latch Speed Adjustment

Latch speed controls final closing force from 15 degrees to fully latched. Separate adjustment screw from sweep speed. Ensures sufficient force for reliable latching without slamming. Clockwise increases latch force.

Backcheck Adjustment

Backcheck valve controls deceleration at 90 degree position. Prevents door slamming open. Adjustment screw location depends on closer model. Typical backcheck travel: 90-120 degrees with

smooth deceleration. Seasonal temperature changes may require adjustment.

Testing & Commissioning

Verify door closes fully and latches securely. Confirm no oil leakage from closer body. Test in both opening and closing directions. Document adjustment positions for future reference and maintenance.