

APPLICATION NOTE

# ELEVATOR SWITCHES



## BACKGROUND

According to Global Market Insights, Inc., the value of the elevator industry exceeded \$90 billion in 2018, with an expected compounded annual growth rate of about 4.5% through 2026.<sup>1</sup> Much of the growth in the sector is expected from new construction starts. However, heightened requirements around safety and new building codes have also positively affected the industry. With more stringent enforcement by regulatory bodies, retrofits utilizing newer, safer technologies will almost certainly account for a large portion of the anticipated growth in the industry.<sup>2</sup>

With safety as a leading factor for the elevator industry, the need for high-performance switches that can perform reliably in varied usage environments is clear. Performance requirements may include LED illumination, IK10 shock rating, and anti-vandalism controls. Working environments can range from indoor light-duty (hotel and office buildings) to heavy-duty and outdoor settings (airports, parking garages, construction sites).

<sup>1</sup> <https://www.gminsights.com/industry-analysis/elevator-market>

<sup>2</sup> <https://www.globenewswire.com/news-release/2019/05/28/1853553/0/en/107-Bn-Elevators-and-Escalators-Market-Global-Outlook-and-Forecast-2019-2024.html>

INDOOR / LIGHT DUTY



OUTDOOR / HEAVY DUTY



**SOLUTION**

Since 1928, C&K has been a leading manufacturer of high-performance electromechanical switches. Its product portfolio includes a wide range of tactile and pushbutton switches that are ideally suited for the elevator industry. Designers will appreciate the flexibility of the indoor/light-duty KSA, KSC2, KSC4, KSC7, and KSC TE with operating cycles that range up to 10 million. Each is available in a variety of configurations and mounting options, as well as IP67 certification. For outdoor and heavy-duty applications, the ATP series of switches are ideal. These anti-vandal switches are available in both 19mm and 22mm diameters. The switches use a scratch-resistant actuator, and housings are made of robust stainless steel particularly suitable for use in equipment subjected to harsh conditions or applications that require protection from vandalism. All ATP switches meet the seal protection and impact resistance ratings of IP67 and IK10 and come in a variety of illuminated LED colors and various indicators on the actuator to meet the most specific design requirements.

TOUCH SCREEN

