Door interlock switches designed for commercial applications

Honeywell [1] announced it has expanded its portfolio of Relialign door interlock switches with a version designed specifically for commercial applications, the Commercial Door Interlock Switch, CDI Series. This new device is Honeywell's alternative to large, installation-intensive interlocks and OEM custom-made products. Potential applications for the CDI Series include commercial swing-door elevators, dumbwaiters, and platform/vertical lifts.

Honeywell's Relialign Commercial Door Interlock Switches are designed to hold the swing door in place and prevent it from being opened when not desired, such as when the platform lift is not present at the door. A number of design features, including a door-closure retention cam, contribute to the CDI Series' enhanced safety, reduction of nuisance stoppages, simplified wiring, and ease of installation. Reliable and smooth operation is enhanced by the use of a metal key that is less susceptible than plastic to bending and breakage. The lack of open or exposed contacts minimizes the possibility of owners making manual adjustments.

Featuring a custom internal solenoid control, Relialign Commercial Door Interlock Switches can reduce complexity of the host controller, trim power consumption, extend solenoid life, and reduce solenoid "time outs," reducing customer aggravation. The CDI Series includes a manual override for easy actuation without user hazard that reduces the potential for call-backs. To meet customer and industry requirements, the Relialign Series is compliant with ASME A17.1 & 18.1, and cULus.

Honeywell's Relialign Commercial Door Interlock Switches join an established product line that features two residential versions: a metal housing version (RDI Series) and a plastic-molded housing version (RDI2 Series). The CDI Series has a greater pull force than the RDI Series or RDI2 Series (675 pounds vs. 150 pounds) and a longer mechanical life (one million cycles vs. 50,000 cycles)—important features for commercial applications.

http://sensing.honeywell.com/ [2]

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