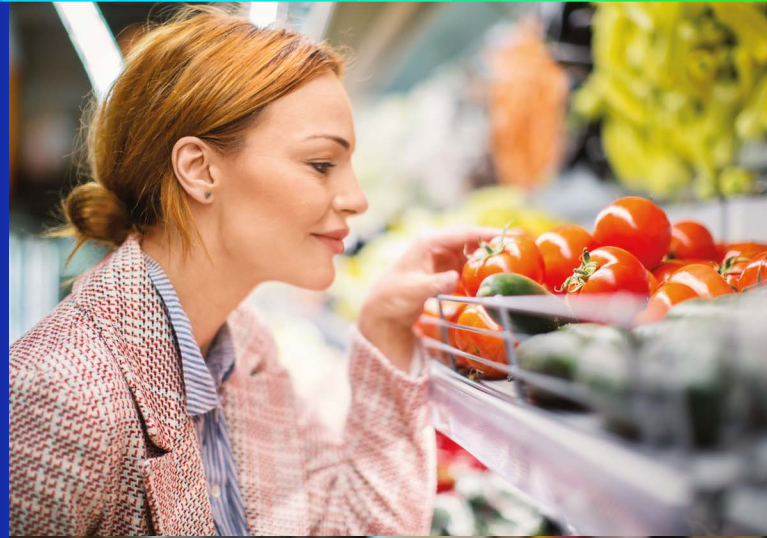


PENN is ready for the future!

Reliable and compliant controls
for Commercial Refrigeration,
Air Conditioning and Heating
Applications

A2L and A3 Compliant

Johnson Controls is working closely with Underwriter Laboratories and other product safety agencies to certify offerings within the PENN controls portfolio for use with A2L and/or A3 refrigerants. The process is broken down into seven product groups, and will be complete by January 1, 2025.





A2L and A3 refrigerants



COMPLETE

Products that use a PENN electrical switch

- A11 and A19 series temperature controls
- P20, P70/P170 pressure controls
- P28 and P45 series lube oil controls
- F61 and F261 series flow switches



Is noted on the LZGH2 section of UL's Product iQ website (document no. LZGH2.E533907)

1



COMPLETE

Controls that use semi-sealed enclosures

- P48, P77 and P78 series pressure controls



2



IN PROCESS

Controls that have various openings in the enclosure

- P47, P67, P70/P170, P72 and P74 series pressure controls



3



IN PROCESS

- A421 series electronic temperature controls
- System 450 modular electronic controls
- P470 series electronic pressure controls

- P545 series electronic lube oil controls
- TC series electronic case temperature and defrost controls
- A99 series temperature sensors



4



IN PROCESS

Note that some models are already ATEX certified

- P100 series encapsulated pressure switches
- P499, P597 and P599 series pressure transducers



5



IN PROCESS

- P66, P266, P215 and P315 series electronic fan speed controls



6



IN PROCESS

- VFD68 and VFD70 series variable frequency drives



7