

AEL7 Series Safety Information

Quick Start Guide

Caution

Before commencement of any work to make the electrical connections refer to IM-P713-01 for the AEL7 or IM-P713-04 for the AEL7T Section 1 "Safety Information".

Warning

Mains connection and commissioning of the AEL7 Series actuator requires specialist knowledge of electrical circuits and systems, and the inherent dangers. A working knowledge of linear actuators is also required.

The operator is responsible for ensuring that safe systems of operation and practice are implemented and maintained.

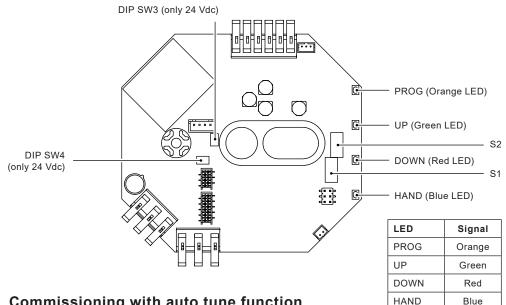
Only qualified personnel must be allowed to make the electrical power connections to the AEL7 Series actuator, and these personnel must be familiar with, and comply with the applicable health and safety standards or guidelines.

Failure to do so could result in death, severe physical injuries or material damages to the actuator, valve and associated equipment.

- Ensure that the electrical power supply is isolated.
- Safeguard against the unintentional switching on by ensuring that there is a safe system of practice in operation -- e.g. lock the electrical supply isolator.
- Ensure that any installation of any new power supply is compliant with local regulations
- Check the mains connection voltage and frequency for conformity to the actuator. Details of the requirements are identified on the AEL7 Series actuator nameplate which can be found on the actuator baseplate.
- Ensure that the power supply cable is of the correct cross section for the maximum expected load. Details of the requirements are identified on the AEL7 Series actuator nameplate which can be found on the actuator baseplate, and in the Technical Information Sheet (TI-P713-02).
- Minimum cross section for the power supply cable is 1 mm². Conductors below this area can result in operational disturbances (please note maximum cable core size 1.5 mm² for 1.2 kN actuators - larger cable cores can prevent the cover from seating correctly).
- Ensure that the power supply is correctly fused for the maximum expected load. Details of the requirements for each AEL7 Series actuator can be found in IM-P713-01 or IM-P713-04.

Information

Terminal diagram (and AEL7T switch setting information) can be found inside the cover of the actuator.



Commissioning with auto tune function

Actuator must be in middle position (not at end positions)

- 1) Set DIP S2.1 to ON -> PROG-LED flashing
- 2) Press PROG button for >3 s
- 3) Press HAND button to start auto tune function

Auto tune function can be stopped by pressing HAND button.

Actuator move in open direction (actuator spindle retracting) until actuator stops. Actuator moves in down direction (actuator spindle extracting) until actuator stops. When auto tune function was successful PROG-LED is flashing

3) Set DIP S2.1 to OFF

Declaration of conformity - UKCA

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