

LCN-AVC

Low voltage actuator (0-10V) for heating and air-conditioning

The LCN-AVC is a thermoelectric actuator with electronic path measurement for radiator valves.

All LCN actuators are normally closed (NC).

Description:

The actuating mechanism works with a PTC heated expansion element and a compression spring. When the operating voltage is applied, the expansion element heats up causing the integrated tappet to move. The force generated by this movement is transferred to the valve tappet and opens or closes the valve.

The actuator LCN-AVN with 0-10V control is deployed when several radiators in a large room are to be controlled by the same controller. Every actuator measures its valve ensuring that heat output is evenly distributed amongst all of the radiators during parallel operation—regardless of the valve characteristics. Up to 5 actuators can be operated in parallel per 0-10V output on a LCN-HU.

Hardware equipment:

Pre-installed actuator with connection cable (3x 0,22mm² with ferules, length: 1m)
Universal adapter VA80

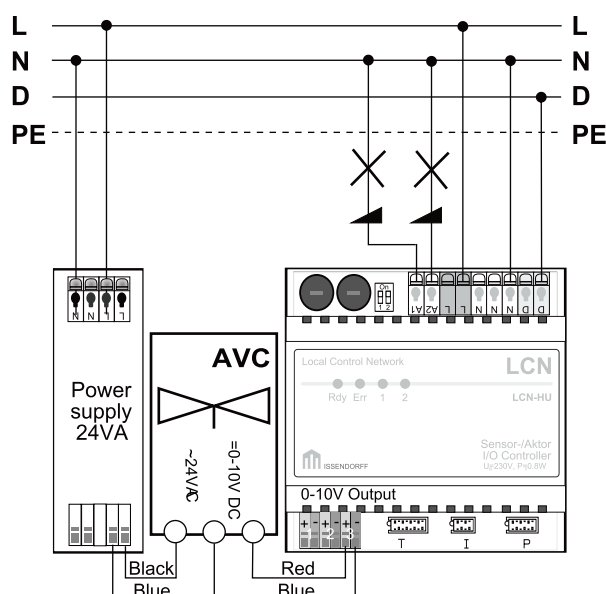
Optional:
Valve adapter VA78 (Danfoss RA, 23mm inside diameter)
Valve adapter VA16H (Herz, 28mm x 1,5)



Technical data:

Mode of action:	Thermoelectric actuator (proportional)
Supply voltage:	24V AC 50-60Hz
Control voltage:	1-10V DC
Actuating force:	100N +/-5%
Safety class/-grad:	II / IP54
Operating temperature:	0°C to +60°C
Consumption:	1,8W
Connecting cable:	3 x 0,22mm ² , Length: 1m

Circuit Diagram:



Dimensions:

