



ZONE-LUX® KEY SWITCH SINGLE

Control and monitoring unit for convenient testing of a single flow switch



The ZONE-LUX® Key Switch Single is a robust control unit designed for the operation and testing of individual ZONE-LUX® flow switches. With optional valve monitoring, it ensures efficient and safe testing, providing flexibility and reliability for your system. Additionally, it can be easily integrated into the ZONE-LUX® Group testing function.

Key functionalities include:

Self-test mode:

Activates the internal circulation pump to test the flow switch without water discharge.

ADVANTAGES

- » User-friendly operation: Simple testing at the turn of a key
- » Fast and efficient: Perform tests without draining any water
- » Lower maintenance costs: Remote testing reduces the need for physical intervention while keeping the system operational and safe

Valve monitoring (optional):

Monitors the zone valve, triggering the „Valve Fault“ LED if the valve is not fully open. This feature is for valves that provide two separate change-over dry contacts. One dry contact is used by the Key Switch while the other is reserved for an independent connection to the fire panel.

Group test mode (optional):

Allows simultaneous testing of up to 25 ZONE-LUX® units, centrally controlled by the ZONE-LUX® Group Key Switch. This feature requires the separate ZONE-LUX® Group Key Switch.

Standby mode:

Manual system reset after testing.

TECHNICAL DATA

Operating voltage	110 V AC, 60 Hz ... 230 V AC, 50 Hz
Power consumption	Max. 7.5 W
Switching capacity	Flow switch: 10 A at 125/250 V AC
LED indicator	Pump running Flow switch activated Valve fault - optional

Functions	Group testing (optional) Self-test Valve monitoring (optional) Standby
Protection class	IP54
Mounting type	Surface-mounted
Operating temperature range	0 °C ... 49 °C (32 °F ... 120 °F)

DIMENSIONS

Height	175 mm (6.89 in)
Width	122 mm (4.80 in)
Depth (incl. key)	95 mm (3.74 in)
Weight	0.4 kg (0.88 lbs)

CONNECTION OPTIONS

Power supply	Mains voltage via terminals N and L
Flow switch connection	Connect to corresponding terminals labeled "Flow Switch"
Zone valve	Optional connection for monitoring valve status on terminals labeled "Valve fault"
Group test	Optional connection for group test feature (see Zone-Lux® Key Switch Group)

