

SWITCH EZ

MICROFLUIDIC VALVE CONTROLLER

P/N ELUSEZ

The **LineUp™ SWITCH EZ** is a module allowing one to control Fluigent's microfluidic valves (**ESS™ solutions**) including:



The **2-SWITCH™** (3-port/2-way) for sorting or ON/OFF fluidic path, (2SW002)

The **M-SWITCH™** (11-port/10way) for sequential injection or distribution, (ESSMSW003)

The **L-SWITCH™** (6-port/2-position) for sample injection or recirculation. (LSW001)

The module has **6 ports** and can be **combined with other LineUp™ products** to have a **complete and compact system** for benchtop use. Connected valves can be **controlled or programmed** either by using the **local control** directly on the device or by creating a **protocol in real-time** to **automate valve actuation timing** with **Microfluidics Automation Tool (MAT)**.

BENEFITS



Compact device

Dedicated for benchtop use



Automation capabilities

Program valve actuation timing



Ease of use

Operate within a minute



Use with or without a PC

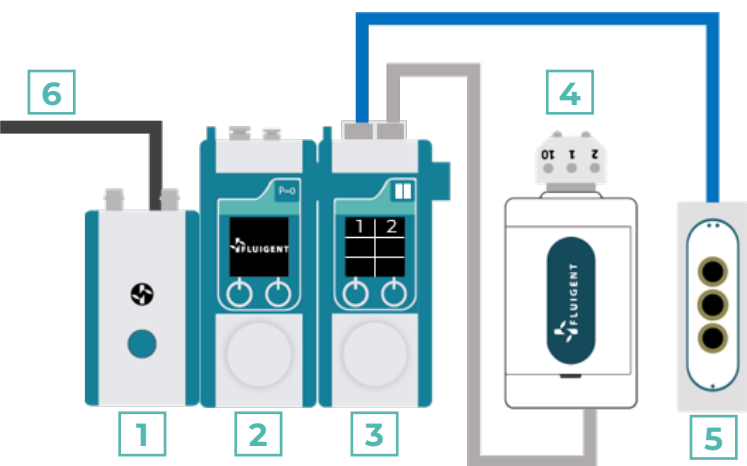
Software and/or local control

SPECIFICATIONS

| Valves requirements | |
|------------------------------|---|
| Maximum valves supported | Up to six 2-SWITCH™ Up to three M-SWITCH™ or L-SWITCH™ |
| Hardware specifications | |
| Dimensions | 91,9 x 71,8 x 131 mm |
| Weight | 317 g |
| Electrical specifications | |
| Electrical consumption | 2A peak |
| Power Supply | LineUp Power Kit (LPK001) |
| Software compatibility | |
| Microfluidic Automation Tool | ver. 20.0.0.0 |

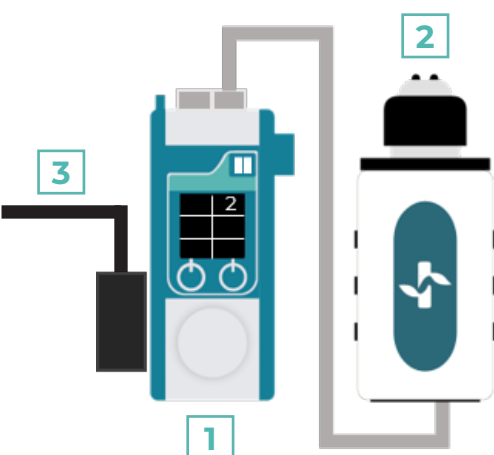
SET-UP

EXAMPLE FOR SOFTWARE CONTROL WITH ONE CHANNEL OF PRESSURE OR FLOW RATE CONTROL



1. **LineUp LINK** connection to the PC
2. **LineUp Push-Pull** pressure controller
3. **LineUp SWITCH EZ** valve controller
4. **ESS M-SWITCH™** 11-port/10-position
5. **ESS 2-SWITCH™** 3-port/2-way
6. **Supply kit** provides power through **LINK**

EXAMPLE FOR LOCAL CONTROL OF VALVE ONLY



1. **LineUp SWITCH EZ** valve controller
2. **ESS L-SWITCH™** 6-port/2-position
3. **LineUp Power Kit** provides direct power supply

Note: The SWITCH EZ can be integrated in the LineUp™ chain with pressure controllers whether it is controlled with Software or locally. Many configurations are possible