

## FX<sub>2</sub>N SIMULATION INPUT SWITCHES

### USER'S GUIDE

#### Introduction

Simulation switches are a convenient method of forcing inputs ON and OFF during program development.

The table below shows the range of simulation switches, along with their relevant controllers.

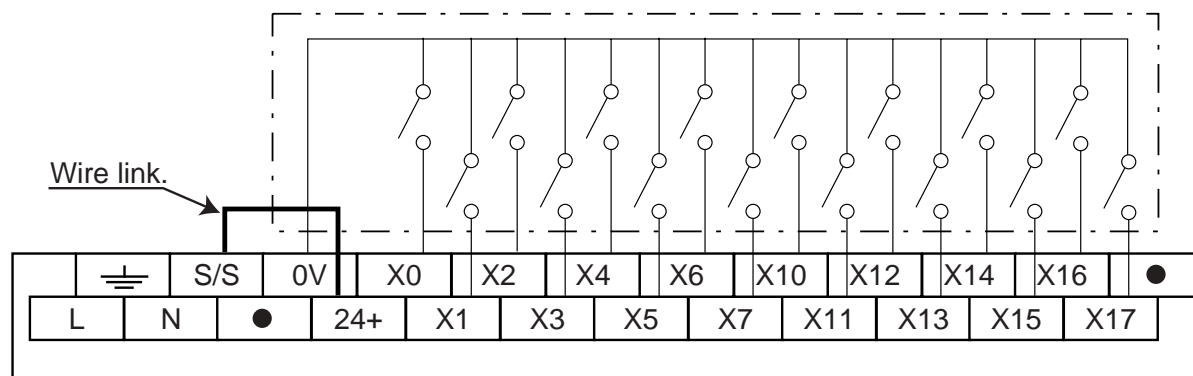
	Simulation Switch type	Applicable controller(s)
Single board configuration	FX2N-16SW	FX2N-16M*1
	FX2N-32SW	FX2N-32M*1 and FX2N-32E*1
	FX2N-48SW	FX2N-48M*1 and FX2N-48E*1
	FX2N-64SW	FX2N-64M*1
Two board configuration	FX2N-80SW	FX2N-80M*1
	FX2N-128SW	FX2N-128M*1

\* : R or T (Relay or Transistor) models

#### Connections

Connect the simulation switches as shown below. Note that these switches use SINK type input switching. For correct operation the PLC must be configured to use SINK inputs. To achieve this, connect a link wire between the S/S and 24V terminals as shown.

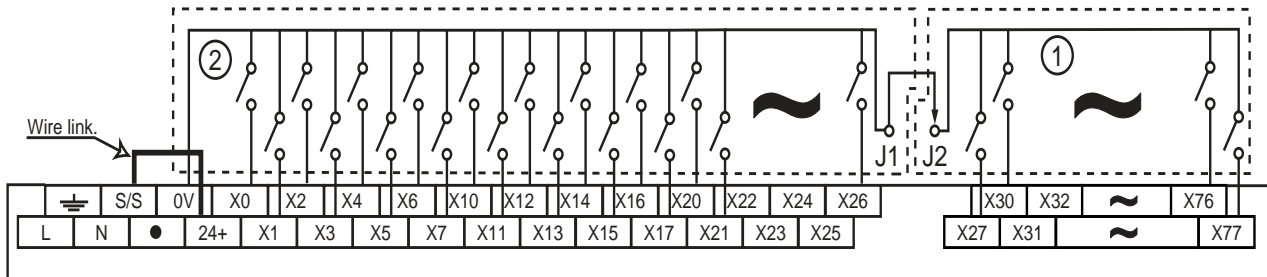
#### Single board configuration



The example above shows an FX<sub>2</sub>N-32SW fitted to an FX<sub>2</sub>N-32M\*(E\*). All other switch and MPU types use similar connections.



**Two board configuration**



The example above shows an FX<sub>2N</sub>-128SW fitted to an FX<sub>2N</sub>-128M\*. All other switch and MPU types use similar connections.

Points to note:

1. The J1 and J2 terminals must be connected prior to operation.
2. The right hand board, marked 1 on the diagram, must be connected before board 2, on the left.

