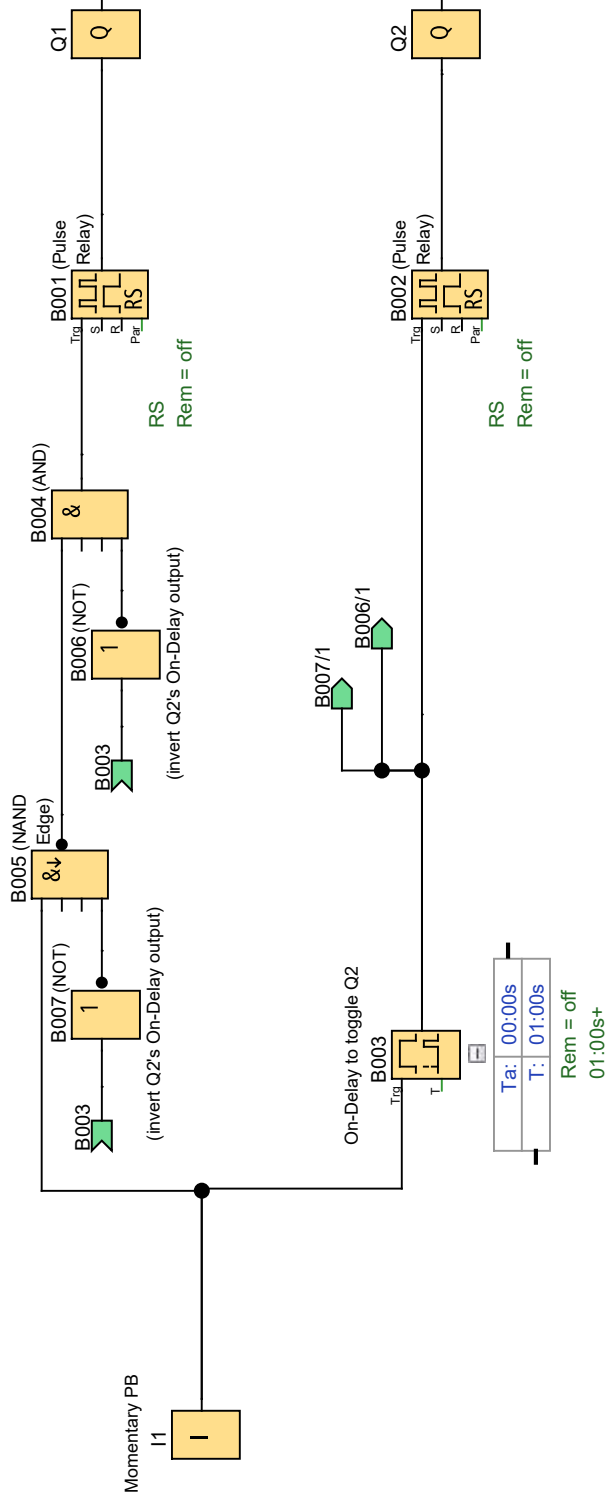# Controlling two outputs with one momentary pushbutton

If Input 1 is pressed for a short moment, Q1 is toggled on/off.
If Input 1 is pressed for longer than 1 second, Q2 is toggled on/off.

Momentary PB

I1

B007 (NOT)

B003

(invert Q2s On-Delay output)

B005 (NAND Edge)

&↓

B006 (NOT)

B003

(invert Q2's On-Delay output)

B004 (AND)

&

B001 (Pulse Relay)

Trg
S
R
Par

RS

RS
Rem = off

Q1

Q

On-Delay to toggle Q2

B003

Trg
T

Ta: 00:00s
T: 01:00s

Rem = off
01:00s+

B007/1

B006/1

B002 (Pulse Relay)

Trg
S
R
Par

RS

RS
Rem = off

Q2

Q

Block Number (Type)	Parameter
B001(Pulse Relay) : (Pulse Relay)	RS Rem = off
B002(Pulse Relay) : (Pulse Relay)	RS Rem = off
B003(On-Delay) : On-Delay to toggle Q2	Rem = off 01:00s+
B004(AND) : (AND)	
B005(NAND (Edge)) : (NAND Edge)	
B006(NOT) : (NOT)	
B007(NOT) : (NOT)	
I1(Input) : Momentary PB	

Connection	Label
I1	
Q1	
Q2	