Step control for 4 outputs

Pushbutton — I1

B001 (Pulse Relay)
RS
Rem = off

B002 (Pulse Relay)
RS
Rem = off

B003/2
B005/2

B004/2
B006/2

M8 (Init Flag) — M

B003 (AND) — &
B001

B004 (AND) — &
B002

B005 (AND) — &
B001

B006 (NOR) — >1
B002

B007 (Latching Relay)
RS
Rem = off

Q1 Motor 1 — Q
Q2 Motor 2 — Q
Q3 Motor 3 — Q
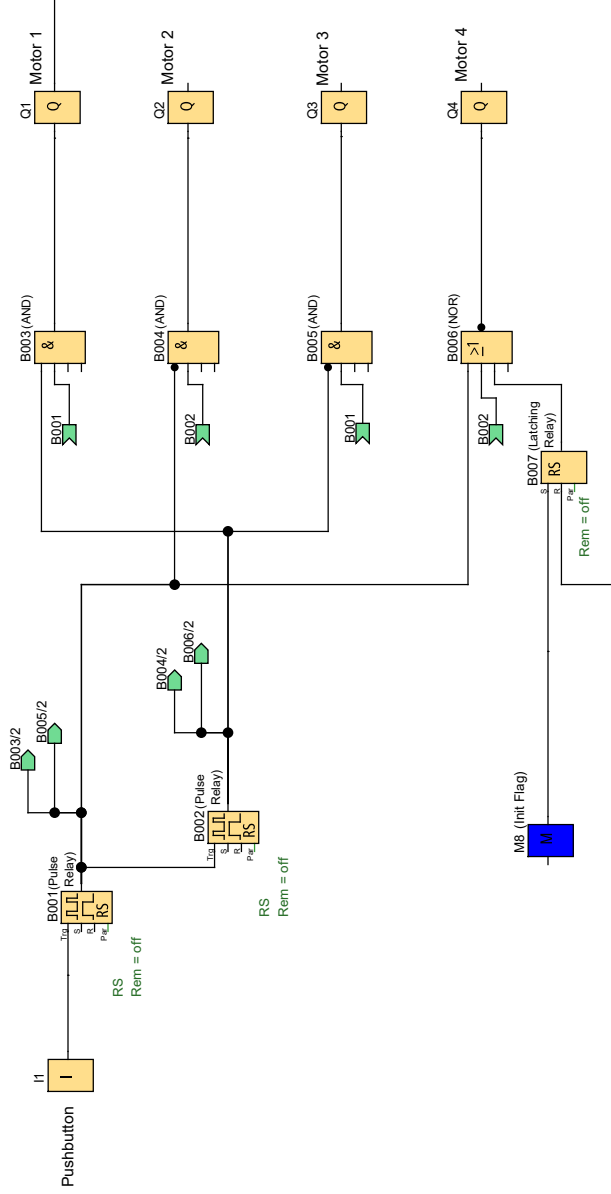Q4 Motor 4 — Q

A four-output step control system, initiated by a momentary pushbutton.
The sequence progresses through two pulse relays, B001 and B002, which trigger outputs Q1, Q2, Q3 and Q4
through a series of AND and NOR gates, incorporating interlocks to prevent simultaneous activation.
A latching relay (B007) is set by the Init Flag at startup & reset when Q1 is active.

Block Number (Type)			Parameter
B001(Pulse Relay) : (Pulse Relay)			RS Rem = off
B002(Pulse Relay) : (Pulse Relay)			RS Rem = off
B003(AND) : (AND)			
B004(AND) : (AND)			
B005(AND) : (AND)			
B006(NOR) : (NOR)			
B007(Latching Relay) : (Latching Relay)			Rem = off
I1(Input) : Pushbutton			
Q1(Output) : Motor 1			
Q2(Output) : Motor 2			
Q3(Output) : Motor 3			
Q4(Output) : Motor 4			

Connection	Label
I1	
M8	Init Flag
Q1	
Q2	
Q3	
Q4	