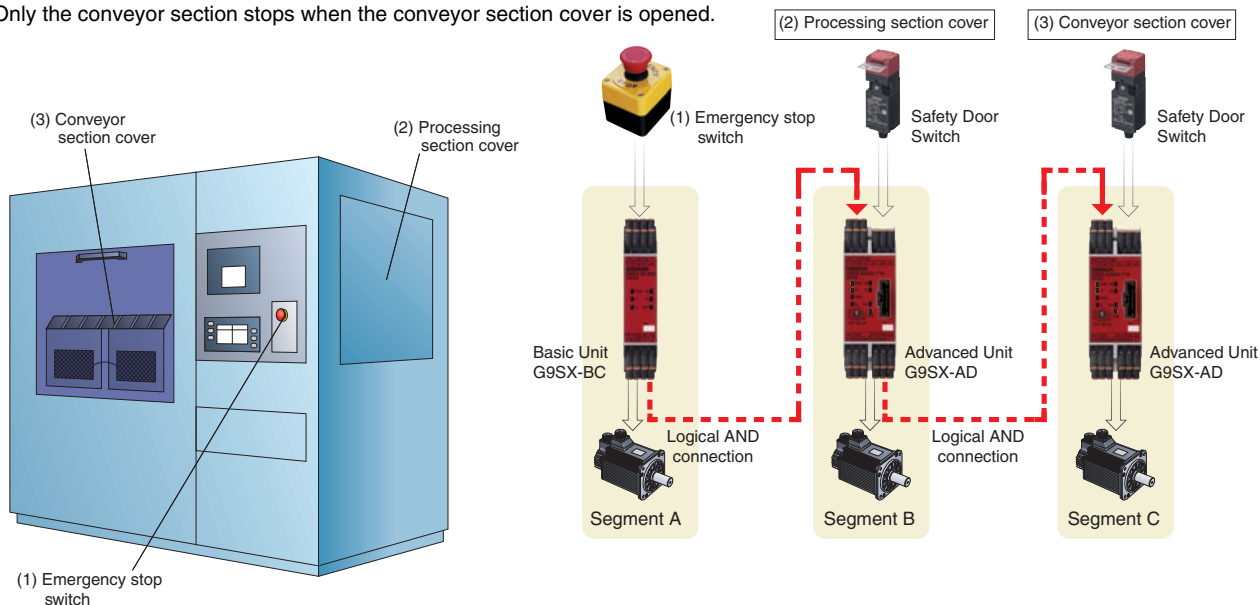


Semiconductor Manufacturing Equipment

- All of the equipment stops when the emergency stop switch is pressed.
- The processing section and conveyor section stop when the processing section cover is opened.
- Only the conveyor section stops when the conveyor section cover is opened.



Operating Example

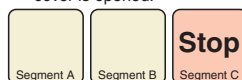
(1) The emergency stop switch is pressed.



(2) The processing section cover is opened.

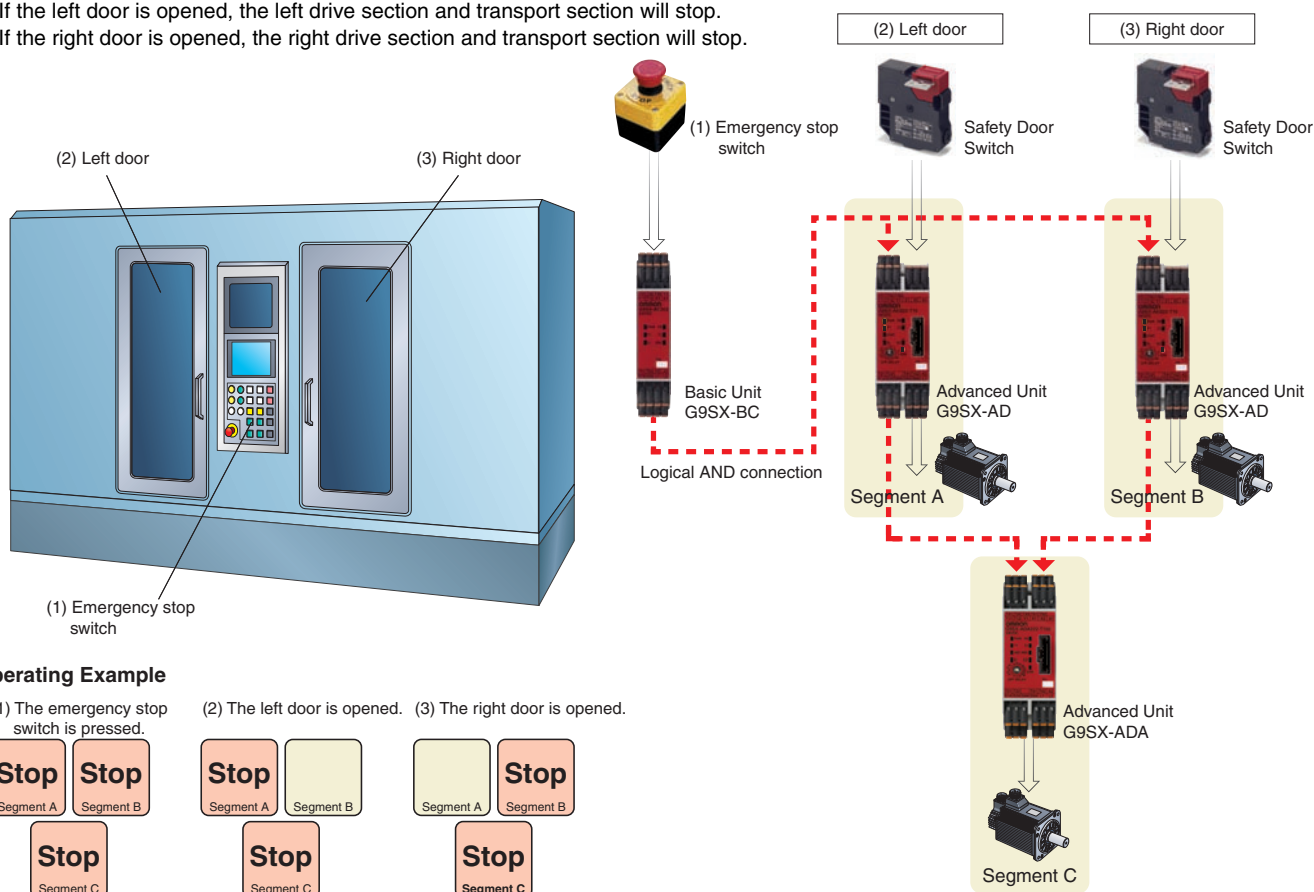


(3) The conveyor section cover is opened.



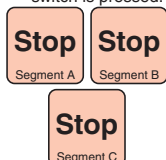
Machine Tool

- When the Emergency Stop Switch is pressed, the entire machine will stop.
- If the left door is opened, the left drive section and transport section will stop.
- If the right door is opened, the right drive section and transport section will stop.

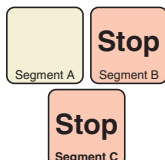
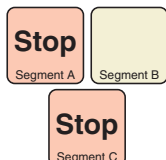


Operating Example

(1) The emergency stop switch is pressed.



(2) The left door is opened. (3) The right door is opened.



Model Number Structure

Model Number Legend

G9SX-□□□□□□-□□□□-□□
 1 2 3 4 5 6

Note: Please see "Ordering Information" below for the actual models that can be ordered.

1. Functions

AD/ADA: Advanced Unit
 BC: Basic Unit
 EX: Expansion Unit

2. Output Configuration (Instantaneous Safety Outputs)

0: None
 2: 2 outputs
 3: 3 outputs
 4: 4 outputs

3. Output Configuration (OFF-delayed Safety Outputs)

0: None
 2: 2 outputs
 4: 4 outputs

4. Output Configuration (Auxiliary Outputs)

1: 1 output
 2: 2 outputs

5. Max. OFF-delay Time

Advanced Unit

T15: 15 s
 T150: 150 s

Basic Unit

No indicator: No OFF delay

Expansion Unit

No indicator: No OFF delay

T: OFF delay

6. Terminal Block Type

RT: Screw terminals
 RC: Spring-cage terminals

Ordering Information

List of Models

Advanced Unit

Safety outputs *3		Auxiliary outputs *4	Logical AND connection		No. of input channels	Max. OFF-delay time *1	Rated voltage	Terminal block type	Model	
Instantaneous	OFF-delayed *2		Inputs	Outputs						
3 (Semiconductor)	2 (Semiconductor)	2 (Semiconductor)	1 (Semi-conductor)	1 (Semi-conductor)	1 or 2 channels	15 s	24 VDC	Screw terminals	G9SX-AD322-T15-RT	
								Spring-cage terminals	G9SX-AD322-T15-RC	
						150 s		Screw terminals	G9SX-AD322-T150-RT	
								Spring-cage terminals	G9SX-AD322-T150-RC	
2 (Semiconductor)			2 (Semi-conductor)	2 (Semi-conductor)		15 s			Screw terminals	G9SX-ADA222-T15-RT
								Spring-cage terminals	G9SX-ADA222-T15-RC	
						150 s		Screw terminals	G9SX-ADA222-T150-RT	
								Spring-cage terminals	G9SX-ADA222-T150-RC	

*1. The OFF-delay time can be set in 16 steps as follows:

T15: 0/0.2/0.3/0.4/0.5/0.6/0.7/1/1.5/2/3/4/5/7/10/15 s

T150: 0/10/20/30/40/50/60/70/80/90/100/110/120/130/140/150 s

*2. The OFF-delayed output becomes an instantaneous output by setting the OFF-delay time to 0 s.

*3. P channel MOS-FET output

*4. PNP transistor output

Basic Unit

Safety outputs *1		Auxiliary outputs *2	No. of input channels	Rated voltage	Terminal block type	Model
Instantaneous	OFF-delayed					
2	---	2 (Semiconductor)	1 or 2 channels	24 VDC	Screw terminals	G9SX-BC202-RT
					Spring-cage terminals	G9SX-BC202-RC

*1. P channel MOS-FET output

*2. PNP transistor output

Expansion Unit

Safety outputs		Auxiliary outputs *1	OFF-delay time	Rated voltage	Terminal block type	Model	
Instantaneous	OFF-delayed						
4 PST-NO	---	1 (Semiconductor)	---	24 VDC	Screw terminals	G9SX-EX401-RT	
					Spring-cage terminals	G9SX-EX401-RC	
---	4 PST-NO		*2			Screw terminals	G9SX-EX041-T-RT
						Spring-cage terminals	G9SX-EX041-T-RC

*1. PNP transistor output

*2. The OFF-delay time is synchronized to the OFF-delay time setting in the connected Advanced Unit (G9SX-AD-□/G9SX-ADA-□).