

Cautions for your Safety

*This consists of Warning and Notice. Please make sure of reading them before you use the products.

If you don't follow the directions, it could cause a personal injury, damage to the equipment or explosion

Warning!

- Do not assemble the products and wire with power applied to the system. Else it may cause an electric arc, which can result into unexpected and potentially dangerous action by field devices. Arching is explosion risk in hazardous locations. Be sure that the area is non-hazardous or remove system power appropriately before assembling or wiring the modules.
- Do not touch any terminal blocks or IO modules when system is running. Else it may cause the unit to an electric shock or malfunction.
- Keep away from the strange metallic materials not related to the unit and wiring works should be controlled by the electric expert engineer. Else it may cause the unit to a fire, electric shock or malfunction.

If you disobey the instructions, there may be possibility of personal injury, damage to equipment or explosion. Please follow below Instructions.

Caution!

- Check the rated voltage and terminal array before wiring. Avoid the circumstances over 55 °C of temperature. Avoid placing it directly in the sunlight.
- Avoid the place under circumstances over 85% of humidity.
- Do not place Modules near by the inflammable material. Else it may cause a fire.
- Do not permit any vibration approaching it directly.
- Go through module specification carefully, ensure inputs, output connections are made with the specifications. Use standard cables for wiring.
- Use Product under pollution degree 2 environment.

1. Output Module Specification

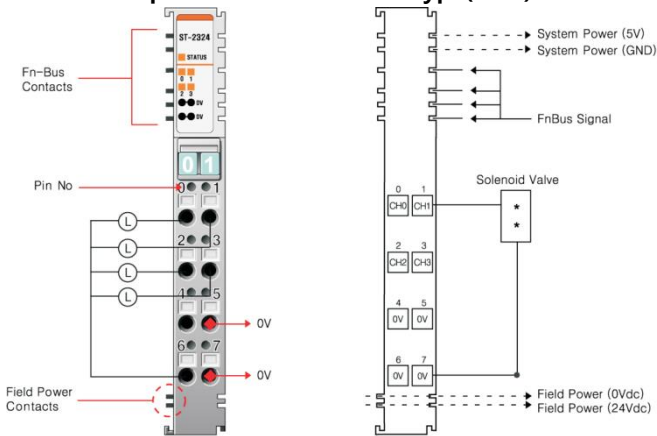
Model	ST-2114	ST-2124	ST-221F	ST-222F	ST-2314	ST-2324	ST-2318	ST-2328
Point NO.	4 Points		16Points		4Points		8Points	
Type	TTL Inverting	TTL Non-Inverting	Sink	Source	Sink	Source	Sink	Source
Special Fun.	-							
Allo. Voltage	5Vdc		24Vdc					
Volt. Range	4.5Vdc~5.5Vdc		11Vdc~28.8Vdc					
Loading Cur	20mA/Point		0.5A/Point					
Consum Cur	50mA/5Vdc		80mA/5Vdc		45mA/5Vdc		60mA/5Vdc	
Fuse	-		3.5A, 40V	3.5A, 36V	3.5A, 40V	3.5A, 36V	3.5A, 40V	3.5A, 36V
Common	4points/4COM (Single Common)		16Points/2COM (Single Common)		4points/4COM (Single Common)		8 Points/External Common	

Model	ST-2414	ST-2424	ST-2514	ST-2524	ST-2614	ST-2624
Point NO.	4Points					
Type	Sink	Source	Sink	Source	Sink	Source
Special Fun.	Diagnostics				-	
Allo. Voltage	24Vdc					
Volt. Range	11Vdc~28.8Vdc					
Loading Cur	0.5A/point		2.0A/Point			
Consum Cur	45mA/5Vdc					
Fuse	3.5A, 40V	3.5A, 36V	3.5A, 40V	3.5A, 36V	3.5A, 40V	3.5A, 36V
Common	4 points/4COM(Single Common)					

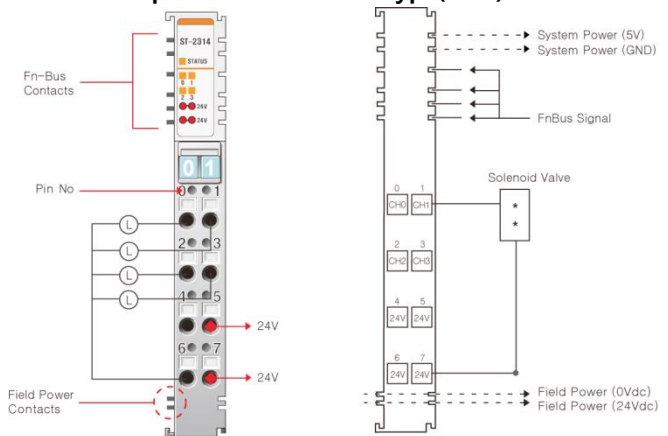
Model	ST-2742	ST-2744	ST-2748	ST-2792	ST-2852
Point NO.	2Points	4Points	8Points	2Points	
Type	Relay				Triac
Special Fun.	-			Auto / Manual Type	-
Allo. Voltage	24Vdc/240Vac				15~120Vac
Volt. Range	5~28.8Vdc/110Vdc/250Vac				15~132Vac
Loading Cur	2.0A/Point				0.5A/Point
Consum Cur	65mA/5Vdc	130mA/5Vdc	235mA/5Vdc	100mA/5Vdc	35mA/5Vdc
Fuse	-				
Common	1 Points/1COM				2Points/ 2COM

2. Output wiring Diagram

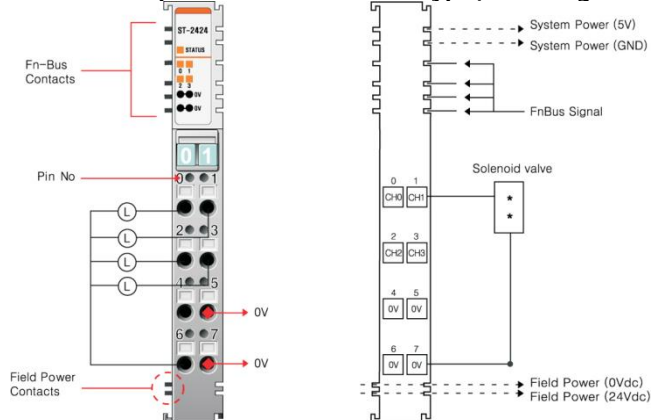
ST-2324 : 4 points DC 24V Source Type(0.5A)



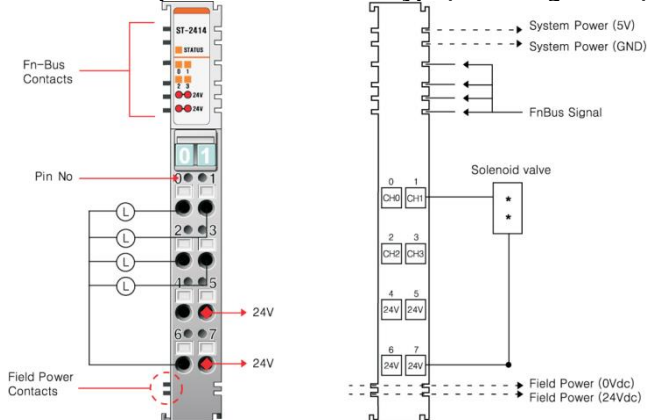
ST-2314 : 4 points DC 24V Sink Type(0.5A)



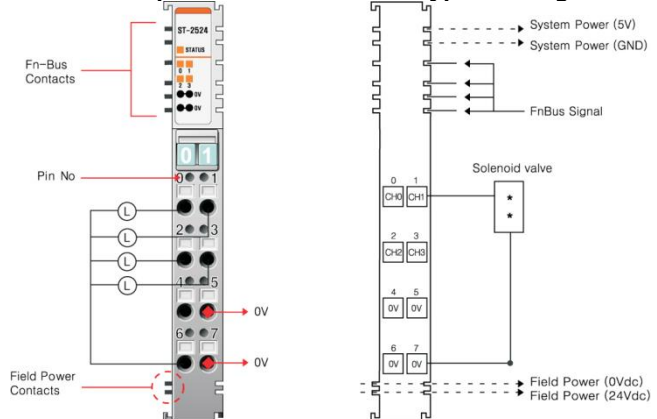
ST-2424 : 4 points DC 24V Source Type(0.5A,Diagnostics)



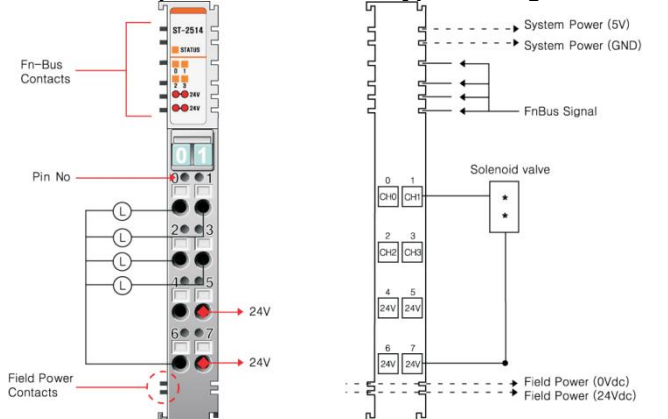
ST-2414 : 4 points DC 24V Sink Type(0.5A,Diagnostics)



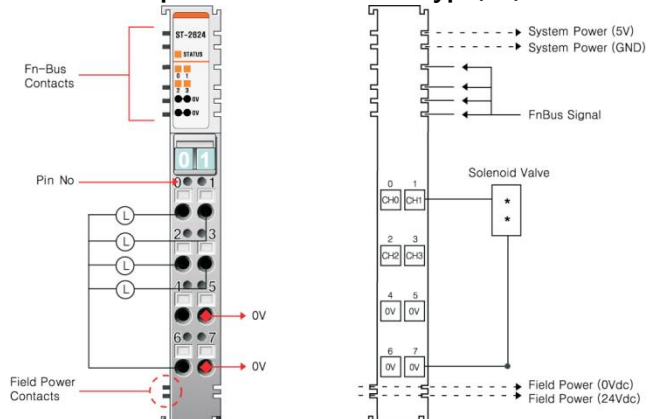
ST-2524 : 4 points DC 24V Source Type(2A,Diagnostics)



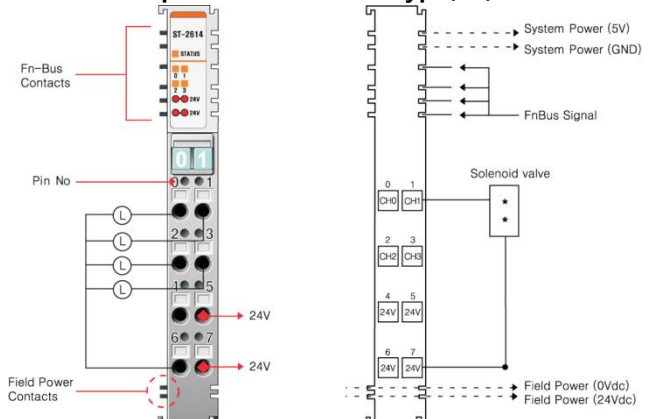
ST-2514 : 4 points DC 24V Sink Type(2A,Diagnostics)



ST-2624 : 4 points DC 24V Source Type(2A)

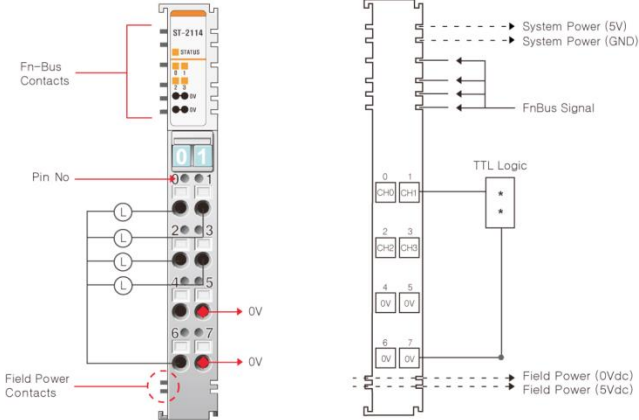


ST-2614 : 4 points DC 24V Sink Type(2A)

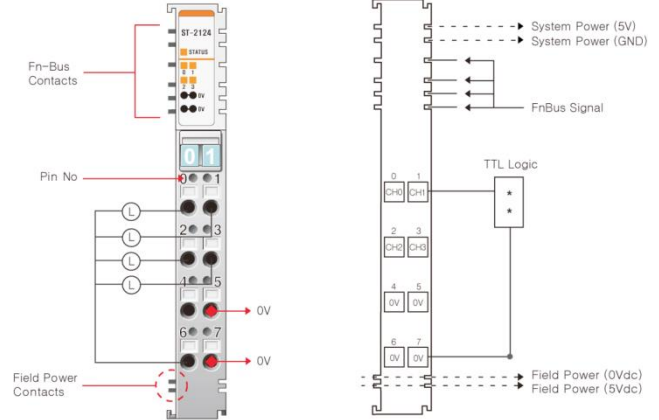


2. Output wiring Diagram

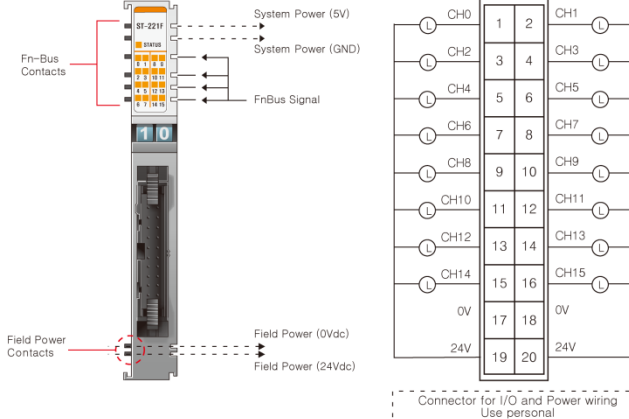
ST-2114 : 4 points DC 5V TTL Inverting Type



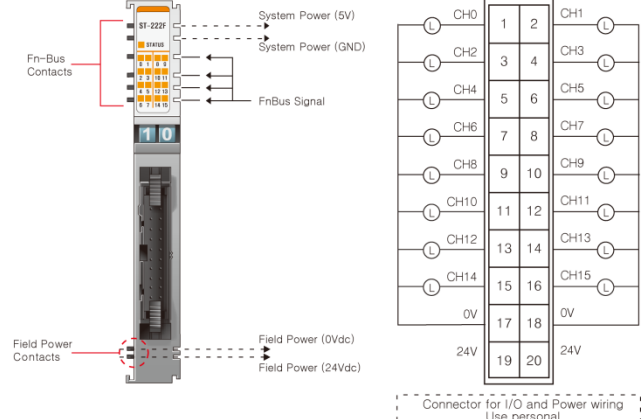
ST-2124 : 4 points DC 5V TTL Non-Inverting Type



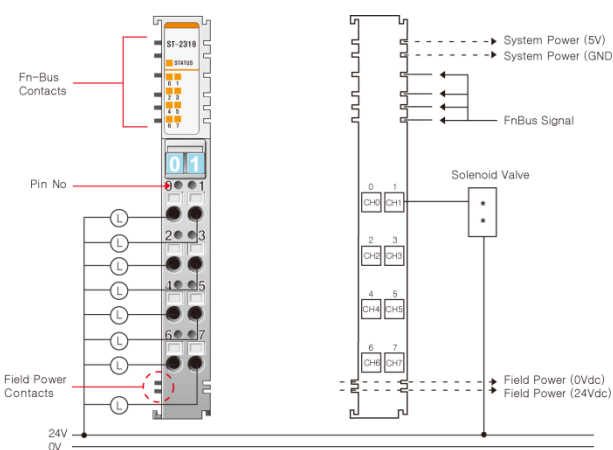
ST-221F : 16 points DC 24V Sink Type



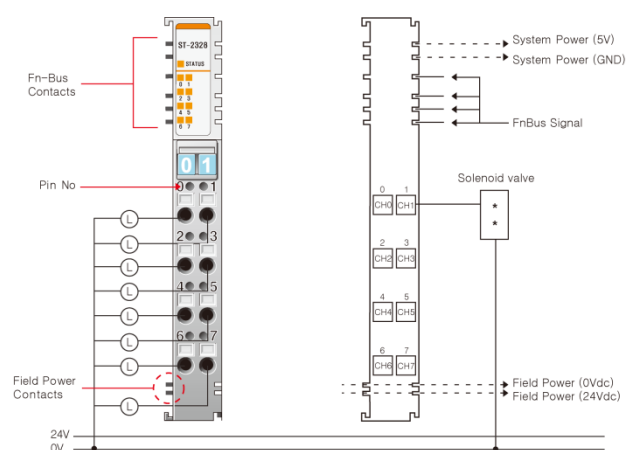
ST-222F : 16 points DC 24V Source Type



ST-2318 : 8 points DC 24V Sink Type

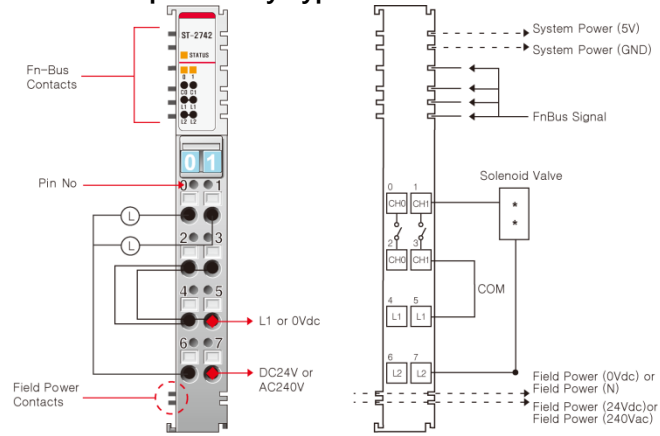


ST-2328 : 8 points DC 24V Source Type

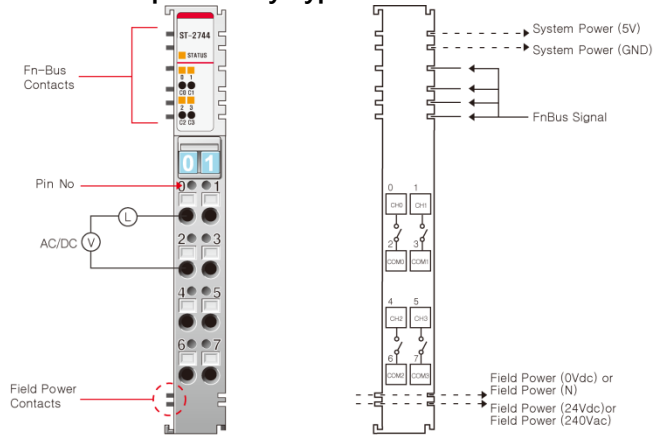


2. Output wiring Diagram

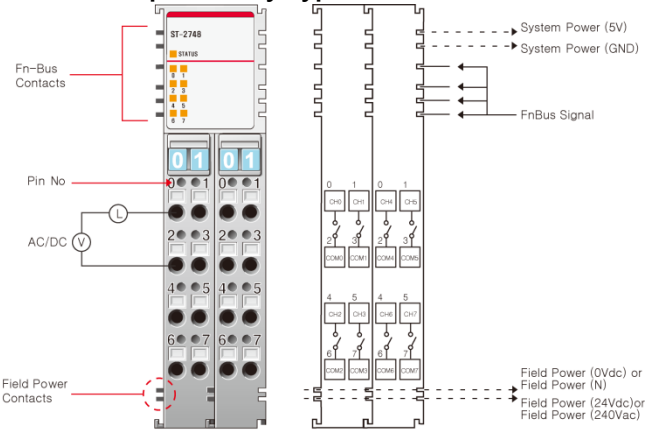
ST-2742 : 2 point Relay Type



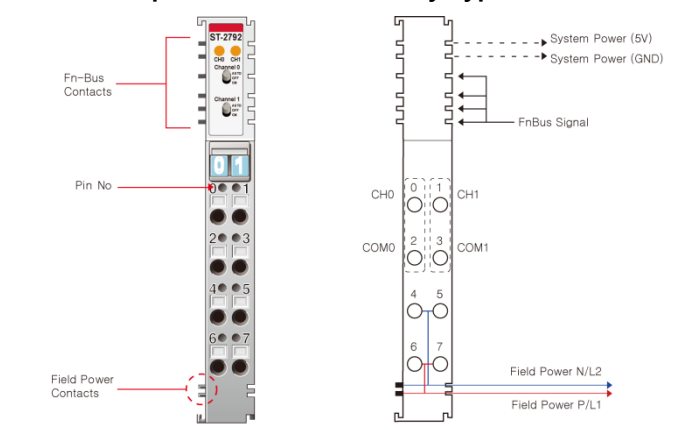
ST-2744 : 4 point Relay Type



ST-2748 : 8 point Relay Type



ST-2792 : 2 point Manual/Auto Relay Type



ST-2852 : 2 point Triac Type

