

HFGS2

TIME RELAY MODULE



Features

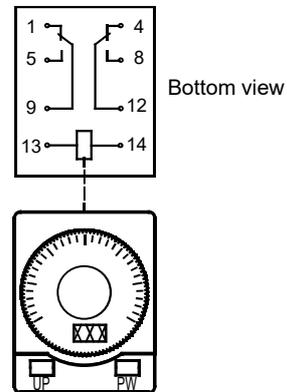
- 2CO output methods
- It has the function of delay connection after power-on
- With stepless adjustment knob, the delay time can be adjusted quickly and easily
- DIN35 socket, standard guide rail installation
- Load Capability 5A 250VAC/30VDC

CHARACTERISTIC

Type	HFGS2/A2Z-1S-QA220	
	HFGS2/A2Z-30S-QA220	
	HFGS2/A2Z-3M-QA220	
	HFGS2/A2Z-30M-QA220	
Action function	On-delay	
Terminal type	8P socket	
Time slot	0.1s~1.0s;1.0s~30s;0.1min~3min	
Rated input voltage	200VAC~230VAC(50/60Hz)	
Power	Approx 2W	
Rated load	5A 250VAC/30VDC	
Ambient temperature	-20°C~70°C	
Ambient humidity	35% RH~85% RH	
Setting error	±10%±50ms (Max. time scale value)	
Insulation resistance	≥100MΩ(DC500V)	
Dielectric strength (50/60Hz1min)	≥2000VAC (Between the operation power circuit and the control output)	
Surge voltage (1.2/50 μs)	3kV (Between the operation power circuit and the control output)	
Anti-static discharge	Functional	4kV
	destructive	8kV
Vibration resistance	destructive	10Hz~60Hz , DA 0.3mm
		60Hz~150Hz, 19.6m/s ²
Shock resistance	Functional	98m/s ²
	Destructive	980m/s ²
Mechanical endurance	≥2 million times	
Electrical endurance	≥10 million times	
Installation method	18FF-2Z-C2 socket The socket can be mounted on DIN35 rail (compatible with 1.0mm and 1.2mm thickness)	

Remarks: When the knob is adjusted to zero scale, it will enter the instantaneous working mode.

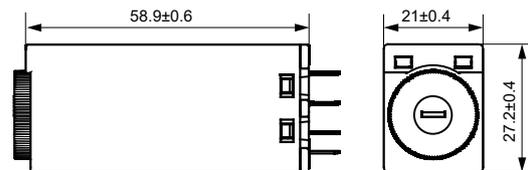
WIRING DIAGRAM



OUTLINE DIMENSIONS

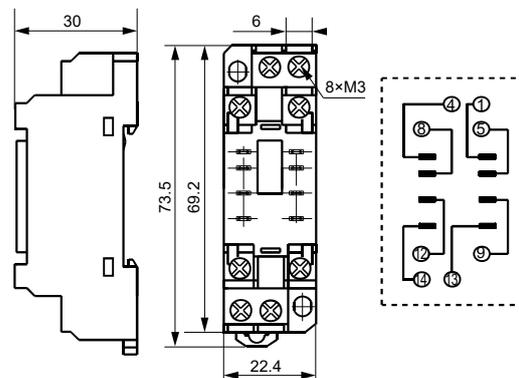
Unit: mm

Outline drawing of time relay



Outline drawing of 18FF-2Z-C2

Outlet wiring diagram (top view)



HONGFA INDUSTRIAL ELECTRONIC MODULE

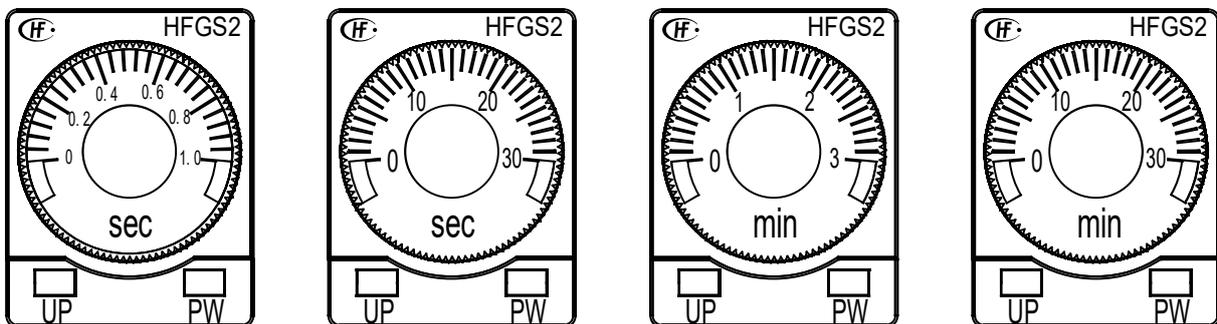
ISO9001, IATF16949, ISO14001, OHSAS18001, IECQ QC 080000 CERTIFIED

2022 Rev. 1.01

Unspecified dimensional tolerances(mm)			
Outline dimension C	$C \leq 1$	$1 \leq C \leq 5$	$C > 5$
tolerance	± 0.2	± 0.3	± 0.4

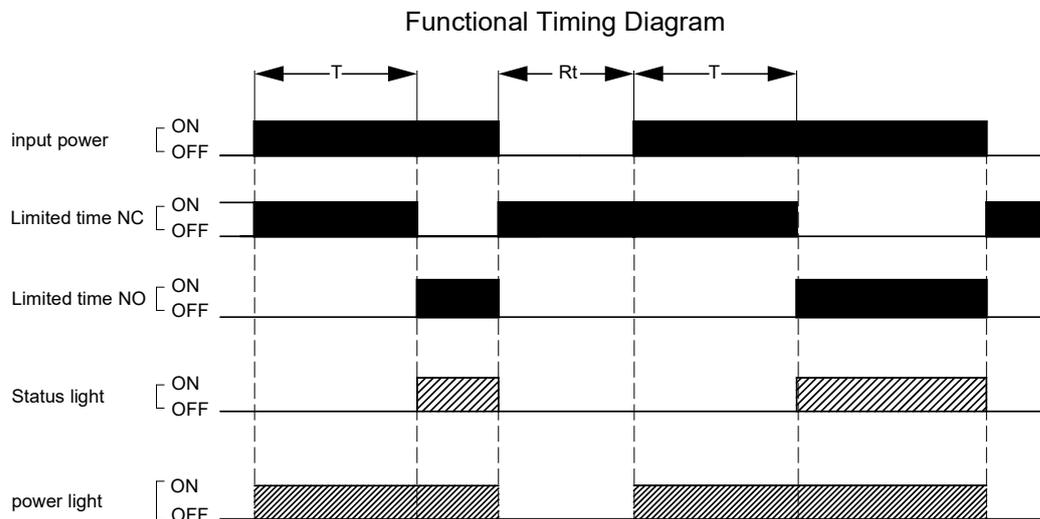
DELAY TIME SETTING METHOD

- The identification of the time gear is the minimum delay unit. Delay time = delay unit \times knob value.
For example: when you want to set the delay time to 10 s, select the SEC file and adjust the knob to 10 scale.
- The PW indicator shows the power-on status
- The UP indicator shows the switch status



(The above are only some examples of dial scales)

DESCRIPTION OF FUNTIONAL TIMING DIAGRAM



Note: Make sure to change the working mode in the power-off or reset state, so as not to cause unexpected things to happen. Rt is the power-off time, which needs to be greater than 0.1 s.

ORDERING INFORMATION

	HFGS2	A	2Z-	1S	-Q	A220	(XXX)
Type							
Function code	A:On-delay						
Contact arrangement	2Z:2 sets of time-limited outputs						
Time slot	1S:0.1s~1.0s		30S:1.0s~30s				
	3M:0.1min~3min		30M:1min~30min				
Installation	Q:Socket						
Input voltage	A220:220VAC						
Special code	Nil:Standard		XXX: Customer special requirement				

Notes : 1) Special requirements of customers will be expressed as special code after being evaluated by Hongfa.
 2) If you need a time relay and a matching socket, use HFGS2/A2Z-XX-XXX+18FF-2Z-C2" to identify when ordering.

Disclaimer:

The specification is for reference only. See to "Terminology and Guidelines" for more information. Specifications subject to change without notice. We could not evaluate all the performance and all the parameters for every possible application. Thus the user should be in a right position to choose the suitable product for their own application. If there is any query, please contact Hongfa for the technical service. However, it is the user's responsibility to determine which product should be used only.