

# Thermal Overload Relay



**CGTH-22**



**CGTH-40**



**CGTH-85**

## CGTH Thermal Overload Relay

1. Application of CGTH Thermal Overload Relay:

The TOR Protects the motors, Locking, Open phase (differential)

2. Characteristics of CGTH Thermal Overload Relay:

A. Direct mounting structure

The TOR is mounting directly to the Magnetic Contactors without additional brackets.

(Applied model; CGTH-22, 40, 85)

B. Safety cover

The finger proof safety cover prevent careless touch of electric conductor(Applied model: CGTH-22, 40, 85)

C. Separation of power part and operation part

The main circuit and operation part are separately designed and the operation part id commonly used in CGTH-22, 40, 85

D. Easy operation

3. Tyres and Ratings of Thermal Overload Relay:

Ratings	Type	CGTH-22			CGTH-40			CGTH-85		
	Nominal current	Ranges			Ranges			Ranges		
		Min	Mid	Max	Min	Mid	Max	Min	Mid.	Max.
Rated current (A)	0.14	0.1	0.14	0.16						

	0.21	0.16	0.21	0.25						
	0.33	0.25	0.33	0.4						
	0.52	0.4	0.52	0.63						
	0.82	0.63	0.82	1						
	1.3	1	1.3	1.6						
	2.1	1.6	2.1	2.5						
	3.3	2.5	3.3	4						
	5	4	5	6	4	5	6			
	6.5	5	6.5	8	5	6.5	8			
	7.5	6	7.5	9	6	7.5	9			
	8.5	7	8.5	10	7	8.5	10	7	8.5	10
	11	9	11	13	9	11	13	9	11	13
	15	12	15	18	12	15	18	12	15	18
	19	16	19	22	12	19	22	16	19	22
	22				18	22	26	18	22	26
	30				24	30	36	24	30	36
	34				28	34	40	28	34	40s
	42							34	42	50
	55							45	55	65
	65							54	65	75
	74							63	74	85
Element No.	2heaters	Standard			Standard			Standard		
	3heaters	Option			Option			Option		
Aux. contact		1NO1NG			1NO1NG			1NO1NG		
Reset type		Auto/Manual			Auto/Manual			Auto/Manual		
Power consumption		1.8VA/ heater			2.0VA /heater			3.5VA/ heater		
Dimension (mm)(W*H*D)		44*63*90			53*67*90			70*73*103		
Separate mounting unit		AZ-22H			AZ-40H			AZ-85H		
Other model	3heaters	CGTH-22/3			CGTH-40/3			CGTH-85/3		
	Differential	CGTK-22			CGTK-40			CGTK-85		
	Delay open	CGTH-22/L			CGTH-40/L			CGTH-85/L		
Applied contactors		CGMC-9,12,18,22			CGMC-32,40			CGMC-50,65,75,85		
Applied switches		CGMS-9,12,18,22			CGMS-32,40			CGMS-50,65,75,85		