

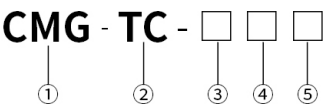


概述 Overview

- CMG通讯模块需搭配CME温控模块使用，通讯模块具有RJ45以太网接口，支持标准modbus-TCP协议。
- The CMG communication module must be used with the CME temperature control module. The communication module has an RJ45 Ethernet port and supports standard modbus-TCP.



选型说明 Model Designation



序号 No	项目 Item	代号 Code	说明 Description
①	产品系列 Product series	CMG	通讯模块 Communication module
②	功能类型 Functional type	TC	TCP通讯 TCP communication
③	电源电压 Voltage supply	2	AC/DC24V 50/60Hz
		4	AC100-240V 50/60Hz
		A-Z	A-Z字母组合，代表其它或定制电源电压 A-Z letter combinations, representing other or custom supply voltages
④	通讯接口 Communication interface	N	1个RJ45以太网接口+ 1个485通讯接口 One RJ45 Ethernet port + one 485 communication port
⑤	支持温控模组数量 Supports the number of temperature control modules	T1	支持一个4通道温控模块 Supports a 4-channel temperature control module
		T2	支持二个4通道温控模块 Supports two 4-channel temperature control modules
		T3	支持三个4通道温控模块 Supports three 4-channel temperature control modules
		T4	支持四个4通道温控模块 Supports four 4-channel temperature control modules

温控模组组合代码定义说明 Temperature control module combination code definition

CMG通讯模块和CME温控模块可组合成为温控模组，通讯模块起到协调管理其下温控模块的作用，自动组织各温控模块数据，对外模拟成一个多路温控装置。上位管理系统可向通讯模块发起通讯连接，将整个温控组合视为一个独立的温控装置，控制并读取其下所有通道的工作数据。

CMG communication module and CME temperature control module can be combined into a temperature control module. The communication module plays the role of coordinating and managing the temperature control module under it, automatically organizing the data of each temperature control module, and simulates it into a multi-channel temperature control device. The upper management system can initiate a communication connection to the communication module, and regard the entire temperature control combination as an independent temperature control device to control and read the working data of all channels under it.

技术参数 Technical Parameters

额定电压 Rated voltage	100-240VAC , 50/60Hz
	AC/DC24V±20% , 50/60Hz
电源功耗 Power consumption	≤7W
工作环境 Working environment	环境温度: 0~50°C, 相对湿度 35%~85%(无冷凝) Ambient temperature: 0~50°C , relative humidity: 35%~85%(non-condensing)
存储温度 Storage temperature	-25°C ~65°C (避免结冰或结露) -25°C ~65°C (avoid freezing or condensation)
数据断电存储时间 Data power-off storage time	≥10年 ≥10 years
告警继电器输出 Alarm relay output	继电器接点 AC220V/DC30V 3A Relay contact AC220V/DC30V 3A
RS485 波特率 RS485 baud rate	半双工4800、9600、19200、38400、115200 Half duplex 4800, 9600, 19200, 38400, 115200
网口通讯 Network port communication	10/100M自适应 10/100M adaptive

常用型号 Common Model

产品型号 Product model	Supported CME modules (4 channels each)	工作电压 Operating voltage	通讯功能 Communication function
CMG-TC-4NT1	1	AC100-240V	RJ45 (modbus-TCP) + RS485 (modbus-RTU)
CMG-TC-4NT2	2		
CMG-TC-4NT3	3		
CMG-TC-4NT4	4		
CMG-TC-2NT1	1	AC/DC 24V	
CMG-TC-2NT2	2		
CMG-TC-2NT3	3		
CMG-TC-2NT4	4		

使用注意事项 Using Precautions

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- 要求极高安全性的应用场合, 涉及人身安全与财产的情况。
- 苛刻条件、严酷环境的应用场合, 包括室外、存在化学污染、电磁、振动或冲击影响的环境。
- 有火灾或爆炸风险的应用场合, 包括存在易燃易爆性气体、强酸强碱化学品等物质的环境。
- 涉及军工用途、航天航空项目的应用场合。

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- Applications requiring very high security, situations involving personal safety and property.
- Applications in harsh conditions, harsh environments, including outdoor, chemical contamination, electromagnetic, vibration or shock effects.
- Applications where there is a risk of fire or explosion, including environments where flammable and explosive gases, strong acids and alkali chemicals are present.
- Applications involving military use and aerospace projects.