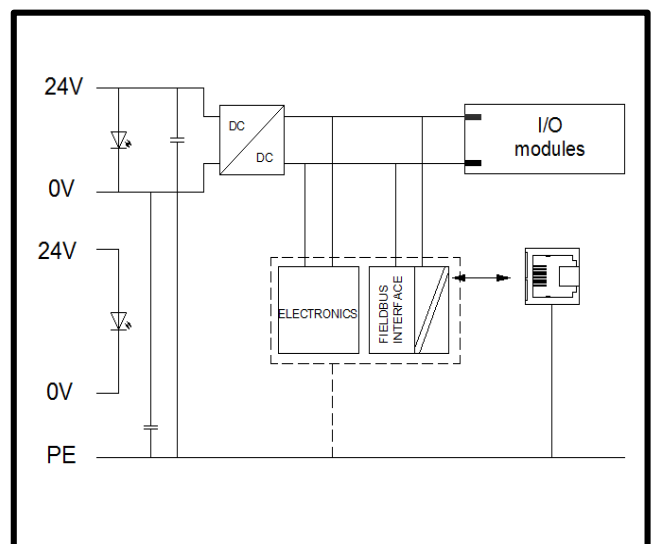
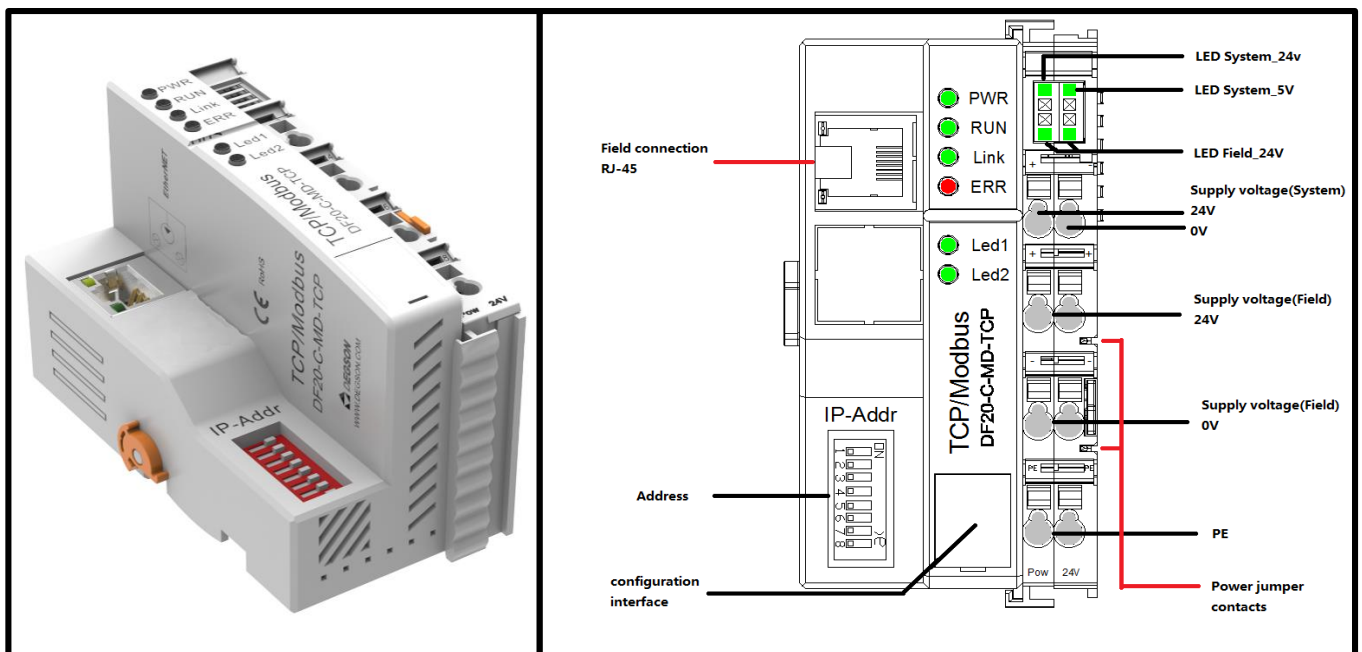


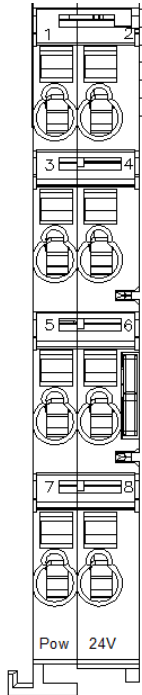
◆ **Modbus TCP FieldBus / one Modbus interface (DF20-C-MD-TCP)**

- DF20-C-MD-TCP the fieldbus adapter from standing and Modbus TCP/IP are linked together, Modbus TCP/IP has become the industry standard for communication protocols in industry. It automatically configures and generates local process images including analog, digital, and special functional modules. Analog module and special function module (word-by-word data transfer), digital module (bit-by-bit data transfer).
- The fieldbus adapter is designed for fieldbus communication over ModBus TCP/IP networks.



2. Hardware Interface

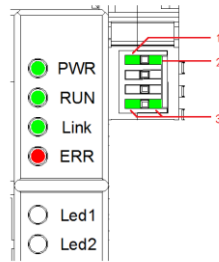
- Wiring Terminal



NO.	Definition	Description
1	System power 24V	Power the module. Give Goldfinger 5V.
2	System power 0V	
3	Field power 24V	Power the load.
4		
5	Field power 0V	
6		
7	PE	Protect Earthing
8		

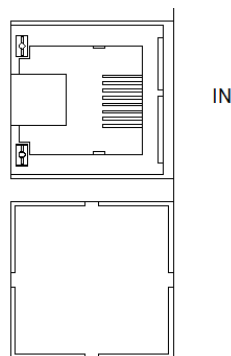
Notes: It is recommended to use two isolated 24V power supplies to provide two power supplies for the coupler respectively to achieve the best anti-interference performance.

● LED Indicator



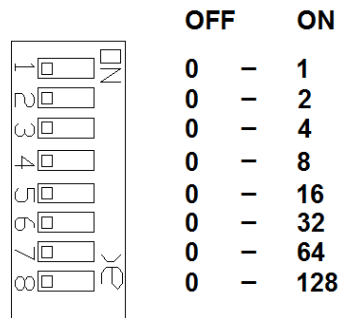
Indicator	Status	Description
PWR	Green: ON	Power Normal
	Green: OFF	Power Failure
RUN	Green: ON	I/O system is running
	Green: OFF	I/O system is stopping
Link	Green: Flash	Module to establish communication, there is data transmission
	Green: OFF	Module communication is not established
ERR	Red: ON	data exchanging failure
	Red: OFF	data exchanging normal
Led1	/	/
Led2	/	/
1	Green: ON	System Power Normal
	Green: OFF	System Power Failure
2	Green: ON	Goldfinger Power Normal
	Green: OFF	Goldfinger Power Failure
3	Green: ON	Field Power Normal
	Green: OFF	Field Power Failure

● RJ45 Interface



Single RJ45 port Used to communicate with the upper computer.

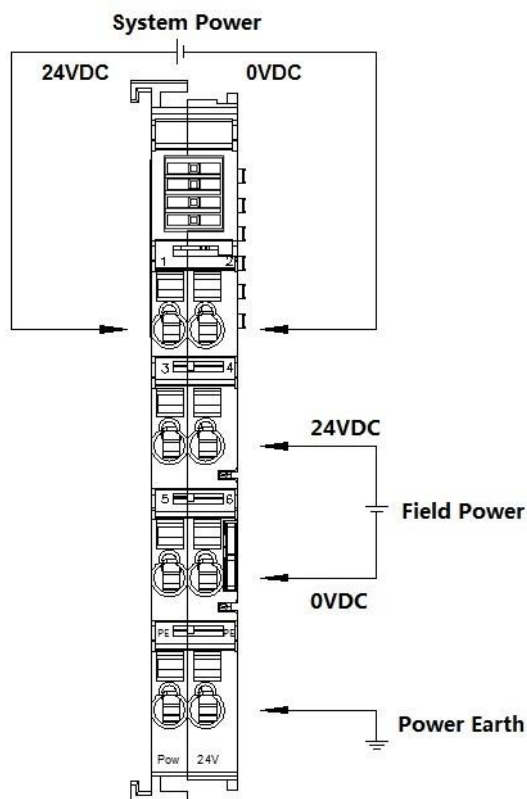
- **DIP switch**



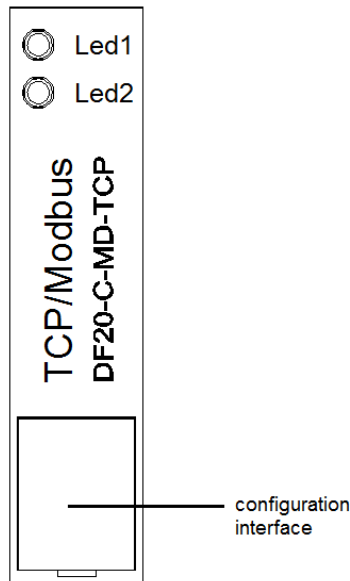
The DIP switch is used to set the adapter module address. It is set by an 8-bit hardware DIP switch. Each Modbus TCP adapter has a unique station address (2 to 253).

- **Wiring**

Notes : Only the right side of the adapter is captured here because of the aesthetics.



● Configuration Interface



Set the configuration interface to facilitate the adapter program upgrade.

Notes: Non-professionals and authorized personnel are prohibited from using this interface to avoid procedural problems.

3.Machinery installation

● Dimension drawing

The installation size is shown in the following figure (unit: mm):

