

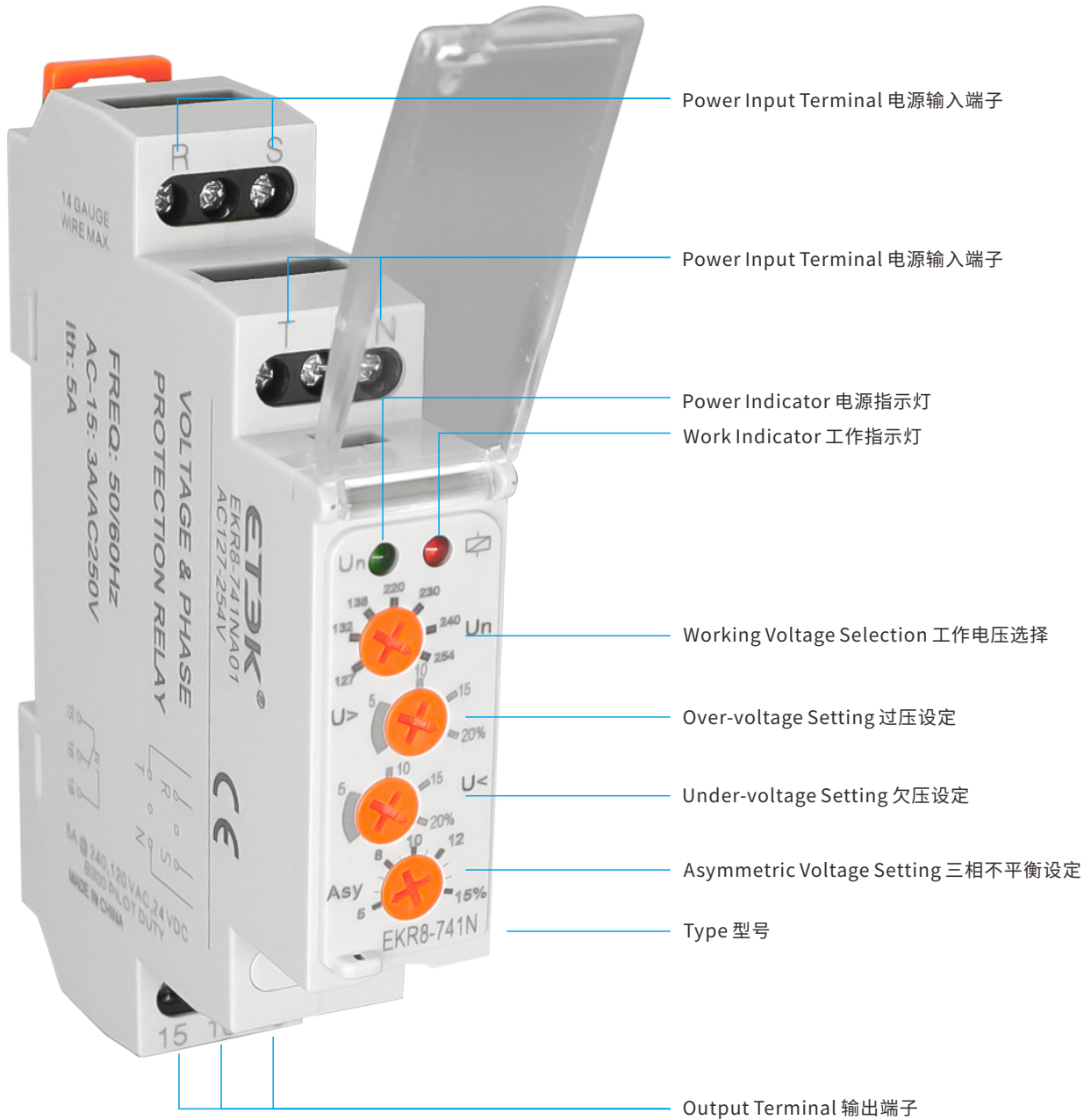
EKR8-7 Series Three-phase Four-wire Voltage Protection Relay

ETEK®

三相四线电压保护继电器

Front view: function selector and regulators

前视图：功能选择器和调节器



三相四线电压保护继电器

Three-phase Four-wire Voltage Protection Relay 三相四线电压保护继电器

Voltage protection relay uses a high-speed and low-power processor as its core. When the power supply line has over-voltage, under-voltage, or phase failure, phase reverse, the relay will cut off the circuit quickly and safely to avoid accidents caused by abnormal voltage being sent to the terminal appliance. When the voltage returns to the normal value, the relay will turn on the circuit automatically to ensure the normal operation of the terminal electrical appliances under unattended conditions.

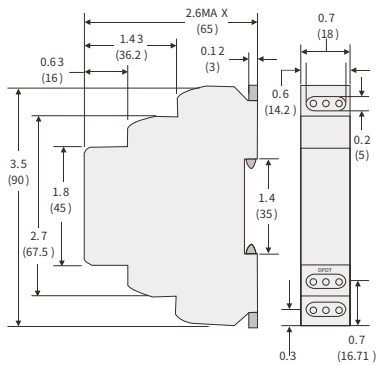
电压保护继电器采用高速低功耗处理器为核心,当供电线路出现过压、欠压或者欠相、逆相时,继电器迅速、安全地切断电路,避免异常电压送入终端电器造成事故的发生。当电压恢复正常值,继电器自动接通电路,确保终端电器在无人值守情况下正常运行。

1. Cut off the line when Over & Under Voltage occurs, and automatically reset and connect the line after returning to normal without manual operation.
1. 线路发生过/欠电压时切断线路,电压恢复正常后自动复位接通线路,无需人工操作。
2. When the line appears transient or transient Over & Under Voltage, the protector does not malfunction.
2. 线路出现瞬态或暂态过/欠电压时,保护器不产生误动作。

EKR8-7 Series



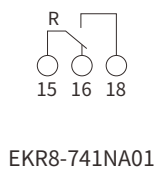
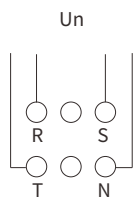
Dimensions外形尺寸图:in 英寸 (mm 毫米)



Technical Data 技术数据

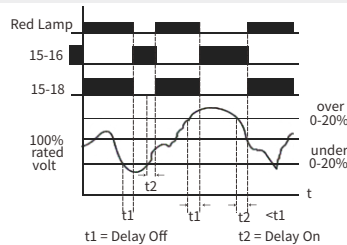
EKR8-741NA01	
Monitoring Type 监测类型	Three-phase Four-wire 三相四线
Output Characteristics 输出特性	SPDT
Over Voltage 过电压	0 ~ 20%
Under Voltage 欠电压	0 ~ 20%
Time Delay 时间延迟	0.1 ~ 10S
Phase Sequence 逆相	√
Phase Failure 断相	√
Asymmetric Voltage 三相不平衡	5% ~ 15%
Working Voltage/Frequency 额定电压/工作频率	L/N:AC127V - 254V 50/60Hz
Response Time of Relay 继电器响应时间	0.5S
Contact Rating 触点容量	AC-15:3A/250VAC
Ambient Temperature 环境温度	-10°C ~ +55°C
Voltage Error 电压误差	±2% Max
Temperature Error 温度误差	±2% Max

Wiring Diagrams 接线图

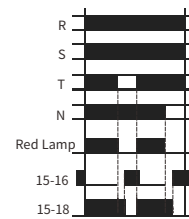


EKR8-741NA01

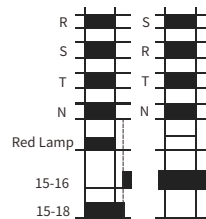
Over & Under Voltage 过压和欠压



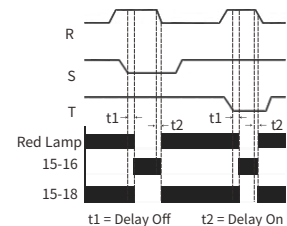
Phase Failure 断相/欠相



Phase Sequence 逆相



Asymmetric Voltage 三相不平衡



Asymmetric Voltage Function:
 (The highest voltage of phase R,S,T) / (The lowest voltage of phase R,S,T) % \geq Asymmetric voltage limit 5% - 15%
 Relay 15-18 Off Red Lamp Off