

Snga ARD-1 Three Phase

Snga ARD is the latest generation of elevator system rescue device, under power failure, it can ensure the elevator to arrive at the nearest floor or the bottom floor, and safely open the elevator door, it also applicable to the power failure of the elevator itself. ARD is based on the smart microprocessor design, and can be installed in the elevator system of any control panel. Combining the sealed type maintenance free lead-acid accumulator. it is easy for installing, and can 100% safely descend the elevator. When the public power supply is cut off or the power system of the elevator is fault, ARD will enable within several seconds If the elevator stops at some floor, ARD can simply open the elevator door. If the elevator stops between two floors, ARD can start the motor and descend the elevator to the nearest or bottom floor with least current according to the instructions, and then open the elevator door. After the safe arrival, ARD will automatically stop.

Features of ARD ARD 特色

- 1

It is designed with smart mlcroDrocessor, and can immediately detect the power supply of the elevator and safely descend the elevator and reach to floor under any emergency. 智能型微处理器设计，在任何紧急情况发生时，立即启动电梯电力检测及安全平层操作。
- 2

It adopts V3F technology to adapt the variable voltage and frequency, reliably supply power to the elevator. V3F 技术能适应可变电压及可变频率，可靠地供应电力给电梯。
- 3

It is designed with compound control circuit. 复合控制电路设计。
- 4

It is equipped with stainless steel button, high sensitivity, the across current is large and resistance is small. 不锈钢按钮，灵敏度高，通过电流大，接触电阻小。
- 5

It adopts LCD display, with indicator of fault or bad operation. 液晶显示，故障及运行不良提示。



申嘉ARD是最新一代电梯系统救援装置，当停电时，可确保电梯抵达最近的楼层或最底部的楼层，并安全地打开电梯门；也适用于电梯本身发生电力问题的情况。智能型微处理器设计基础的ARD可安装于任何控制系统的电梯。搭配密封式免维护铅酸电池。安装容易，使电梯100%安全平层。当市电中断或电梯电力系统发生问题时，ARD会在几秒钟之内开启。如果电梯停在某一楼层平层处，ARD则简单地打开电梯门。如果电梯停在两个楼层之间，ARD会启动马达并使用最少的电流，依指令将电梯带到最近的或最底部的楼层，然后开启电梯门。当完成操作安全抵达后，ARD会自动关机。

Technical Parameters 技术参数

| Model 参数   | SNGA-3P500                                    | SNGA-3P300 | SNGA-3P220 | SNGA-3P185 | SNGA-3P150 | SNGA-3P110 | SNGA-3P75 | SNGA-3P50 |
|------------|---|------------|------------|------------|------------|------------|-----------|-----------|
| Power 功率   | 50KW  | 30KW       | 22KW       | 18.5KW     | 15KW       | 11KW       | 7.5KW     | 5KW       |
| Input 输入   | Three Phase 三相 AC380 ±10% 50HZ/60HZ           |            |            |            |            |            |           |           |
| Output 输出  | Three Phase 三相 AC380 ±10% 50Hz/60Hz           |            |            |            |            |            |           |           |
| Battery 电池 | Lead-acid Battery or Lithium Battery 铅酸电池或锂电池 |            |            |            |            |            |           |           |

申嘉 ARD-1 三相

Features of ARD ARD 特点

### Fully automatic working

The monitoring state and emergency rescue process are automatically controlled with the microcomputer, and don't need manual operation

### Safe and reliable

It adopts electric Interlock automatic feedback,the main power supply of the elevator doesn't need to connect with this device The control switch between this device and power supply adopts static point separation, thus ensuring the normal work of the elevator and the signal acquisition during emergency as well as the safe working during rescue; this device refuses to be enabled during the elevator check and repair process.

### Strong generality

it adopts flexible and varied interface plan and can match the elevators of different models and brands Even your elevator is updated, it can perfectly match your new elevator after simple adjustment The buttons adjustment function adopts advanced online adapted memorizer to save varied parameters, therefore, it is simple, precise, visual and reliable to adjust the parameters.

### Adopting Sinusoida Pulse Width Modulation Varied Frequency (SPWM) Technology

With fully digital working mode, the change of environment temperature doesn't affect the performance of this device The power of the transaction machine of the elevator supplied by the 3-phase inverter power supply system adopts Sinusoida Pulse Width Modulation, and(high power IGBT)power driving module as drive output, therefore, the elevator starts and stops stably and comfortably under emergency.

### Digital busbar control

12c busbar is the latest and high technology to control varied analog quantities under the emergency state with one busbar, and can acquire and detect varied datum through the real-time monitoring of the central control processor, which can greatly improve the performance and reliability of the whole device.

### Automatic charging and maintenance free function

it adopts special designed trickle charging circuit to charge the accumulator, thus conquering the self-discharging property of secondary accumulator, it doesn't need charging and discharging the accumulator or any other maintenance, thus greatly improving the service life of the accumulator.

运行全自动化

监测守候状态和应急救援过程部在微电脑控制下自动完成，无需人为干预。

安全可靠

采用电气互锁自动反馈， 电梯主电源无需串入本装置。装置与电源间的控制转换全采用静态点隔离，确保电梯的正常工作及应急过程中的信号采集、救援过程中的安全运行；在电梯检修过程中，本装置拒绝投入工作。

通用性强

采用灵活多变的接口方案，可与各品牌不同型号的电梯配套使用。即使您的电梯更新换代，我们也只需要进行简单的调节即可与之匹配。按键调整功能采用先进的在线可改写存储器，存储各种需调整的参数，使调试变得简单、精确、直观、可靠。

采用正弦波脉宽调制变频(SPWM)技术

全数字的工作模式，环境温度的变化不影响装置的性能。三相逆变供电系统供给电梯曳引机之电源采用正弦脉宽调制方式，并使用(大功率IGBT)电力驱动模块作动力输出，使得电梯应急启动、运行、停止更加平稳舒适。

数码总线控制

12C总线是最新推出的新技术，是将应急运行状态中的各种模拟量用一条总线控制，通过中央控制处理器的实时监控完成多数数据的采集、检测工作，可大大提高整机性能及可靠性。

自充电免维护功能

采用专门设计的涓流充电电路，对蓄电池进行充电，克服二次电池自放电特性，不需人为对电池进行充放电及其他保养，大大提高了电池的寿命。