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|  | <b>危险</b> | 危险标识表示，如果忽视该警示，而进行了错误的操作，就可能造成重大的人身伤亡事故。 |
|  | <b>注意</b> |  |

|        |   |   |   |   |      |   |    |
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|        |   | 表示可能会造成危险的事项  |   |   |      |   |    |
|        |   | 表示必须提醒注意的事项   |   |   |      |   |    |
| 当心物体转动 |  |  | 一般性注意   |  | 小心触电 |  | 小心 |
|        |   | 表示严禁的事项   |   |   |      |   |    |
| 禁止使用明火 |  |  | 一般性禁止事项   |  | 禁止拆卸 |  | 禁止 |
|        |   | 表示必须强制执行的項目   |   |   |      |   |    |
|        |  | 一般性强制項目   |  | 必须接地  |      |  |    |



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| <b>危 险!</b>   |  |
|  | <p>■小心触电</p> <p>绝对禁止卸下盖板，否则会有触电、造成人员伤亡的危险。</p>   |
| <p>情况时，应立即切断电源，并和销售商取</p> <p>），切勿用水进行灭火。</p>                                      | <div style="text-align: center;"></div> <p>■小心火灾</p> <p>从装置中发生异味、异常噪音、冒烟、火花等情况时，请立即切断电源，并和销售商取得联系。</p> <p>万一发生火灾，请使用电气火灾用灭火器（干粉</p> |

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| <b>注 意!</b>  |   |
|   | <p>在转动装置之前，先确认负载的安全状况，然后按照使用说明书进行正确操作，否则会产生触电等事故的危险。</p>  |
|   | <p>■在装置周围，切勿吸烟和使用烟火。</p> <p>否则可能会引起火灾或爆炸。</p>             |
|   | <p>□设备上面切勿放置有水的容器，如花瓶等。</p> <p>否则可能会导致设备短路或触电。</p>        |
|   | <p>□切勿坐在或站在设备的上面，也不要倚靠或当作踏板。</p> <p>否则会导致设备翻倒而导致人身伤害。</p> |
|   | <p>□切勿将棍棒、手指等插入风扇。</p> <p>转动的风扇会使人受到伤害。</p>               |
|   | <p>□运转中，输入端子和输出端子之间切勿短路。</p> <p>电流流过产生电弧会导致人员灼伤和视觉损害。</p> |
|  | <p>□绝对禁止在以下的场合使用。</p> <p>① 与人的安全直接相关的医疗设备等。</p>           |



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| <b>危 险!</b>   |  |
|  | <ul style="list-style-type: none"> <li>■请委托专业人员进行布线施工。<br/>布线施工不当可能造成触电和火灾。</li> </ul>   |
|   | <ul style="list-style-type: none"> <li>■请勿将交流电源连接到输出端子 (H、V、W) 上。</li> </ul>             |
|  | <ul style="list-style-type: none"> <li>■请勿在超过额定电压的情况下使用。<br/>否则有引起人身伤害和火灾的危险。</li> </ul> |
| <p>勿将电阻直接接在直流端子 (P、X) 上。</p>  |  |
| <p>请确认产品的额定电压和交流电源的电压是否一致。</p>  |  |
| <p>危险。</p>  |  |
| <p>采用使用说明书指定的电缆。</p>  |  |
| <p>后述行。</p>   |  |
| <p>端子合拢后，请按照指定的顺序进行操作，否则可能发生火灾。</p>   |  |
| <p>■请确认产品的额定电压和交流电源的电压是否一致。</p>   |  |
| <p>危险。</p>  |  |
| <p>■所用电缆的种类和线径，请采用使用说明书指定的。</p>   |  |
| <p>□布线，务必在设备固定后进行。</p>  |  |
| <p>否则有引起人身伤害和火灾的危险。</p>   |  |

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| <b>注 意!</b>  |                     |
| <ul style="list-style-type: none"> <li>■变频器 电机及布线会发生干扰，请注意外围设备的误动作。</li> </ul>     |                     |
| <p>输入输出端子合拢，请务必在设备固定后进行布线。</p>   |                     |
|  | <p>否则将有引起火灾的危险。</p> |

| <b>危 险!</b> |  |
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|             | <p><input checked="" type="checkbox"/> 务必在安装好前盖板后才可接通输入电源。另外，请勿在电源接通期间卸下盖板。</p> <p> 否则有触电的危险。</p>   |
|             | <p> <input checked="" type="checkbox"/> 请勿用潮湿的手操作开关。</p> <p>否则有触电的危险。</p>   |
| 变频器的端子。     | <p> <input checked="" type="checkbox"/> 在变频器的电源接通期间，即使电机处在停止状态，也不要触摸变频器端子。</p> <p>否则有触电的危险。</p>   |
| 请勿靠近电机设备。   | <p> <input checked="" type="checkbox"/> 如果选择了再启动功能，设备在报警停止时就会突然重新启动，所以请保持警惕。</p> <p><input type="checkbox"/> 如果在运转信号锁定状态下进行报警复位操作，设备会突然重新转动。务必先断开运转信号后再解除报警。</p>                |
|             | <p style="text-align: center;"><b>注 意!</b></p> <p> <input type="checkbox"/> 由于散热片、风扇片特殊的温度会变得很烫，那以请勿触摸。</p> <p>否则有被烫伤的危险。</p>   |
| 电机或机械设备的    | <p> <input type="checkbox"/> 由于变频器可以很迅速地设定从低速到高速的运转，请在充分确认允许范围后，再运转。</p> <p> 否则有引起人身伤害的危险。</p> |
|             | <p> <input type="checkbox"/> 请务必保持制动时，请另外设置制动器。</p> <p>否则，有引起人身伤害的危险。</p>   |
|             | <p> <input type="checkbox"/> 请务必在启动前确认电机的旋转方向。</p>  |

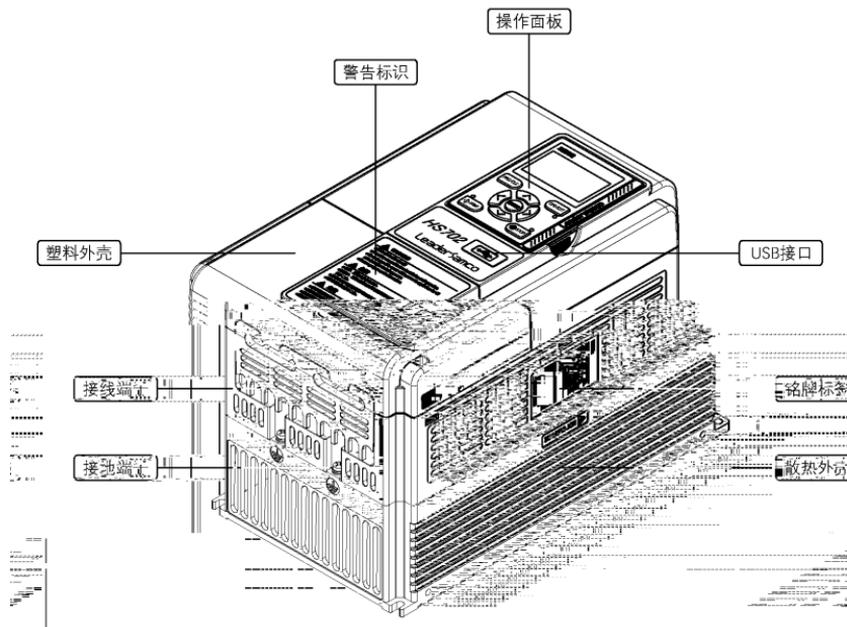
| <b>注 意!</b>  |  |
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|              | <p><input checked="" type="checkbox"/> 除专业电气施工人员外，其他人员不可进行维护、检查和更换零部件等作业。</p>  |
|              | <p> 请务必在维护前将输入电源断开。</p>   |
| (充电) 指示灯熄灭后， | <p><input checked="" type="checkbox"/> 进行维护和检查时，请将输入电源断开 (OFF)，待 [CHARGE] 指示灯熄灭后，方可进行。</p> <p> 否则有触电和人身伤害的危险。</p> |

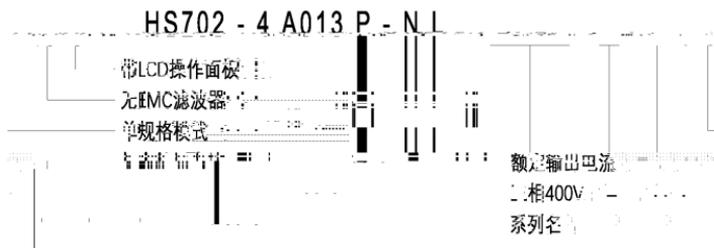
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| <b>注 意!</b>   |                               |
|  | ■废弃本产品时, 请委托专门的工业废弃物处理机构进行处理。 |
|  | 伤害。                           |

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| <b>危 险!</b>   |  |
|  | ■严禁擅自对产品进行改造。  |
|  | ■本产品是为三相感应电机运转而设置的。所以不能用于单相电机或其它的用途。否则有引起火灾事故的危险。  |
|  | ■不能将本产品用于与生命维持装置等与人体危险有直接关系的场合。否则有引起事故的危险。   |
| 品发生故障而可能引起重大事故、或引发重大损失时, 对于这类设备请配置  |                           |
| 事故的危险。  |  ■由于本产品<br>安全装置。<br>否则有引起 |





**三垦力達®**

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| 变频器规格   | MODEL: HS702-4A013P-N-L   | 变频类别 |
| 输入电压  | SOURCE: 3PH 380-460V 50/60Hz  | 输入规格 |
| 输出电流  | OUTPUT: 12.5A   | 输出规格 |
| 电机  | MOTOR: Max. 6.5kW   | 标准范围 |
| 过载能力  | OVERLOAD: 120% 3min   | 过载率  |
| 产品编号  | SERIAL No. C123456789   | 产品号  |
| 产品重量  | MASS: 3.5kg   | 产品重量 |
| 条形码   |  |      |
| SANKEN L.D. ELECTRIC<br>(JIANG-YIN) CO., LTD. |   |      |

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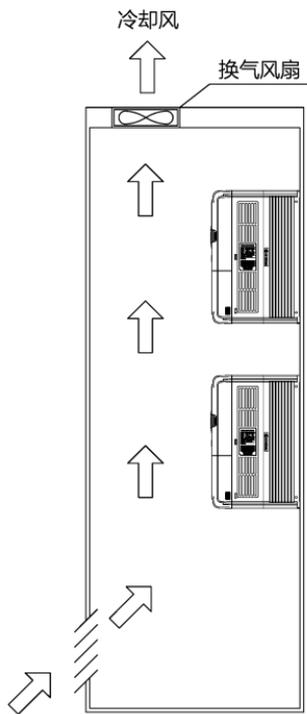
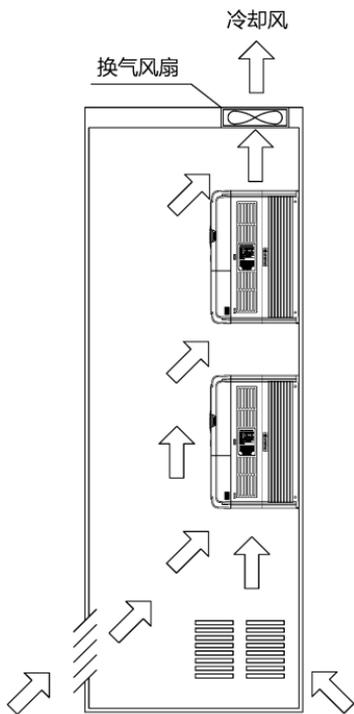
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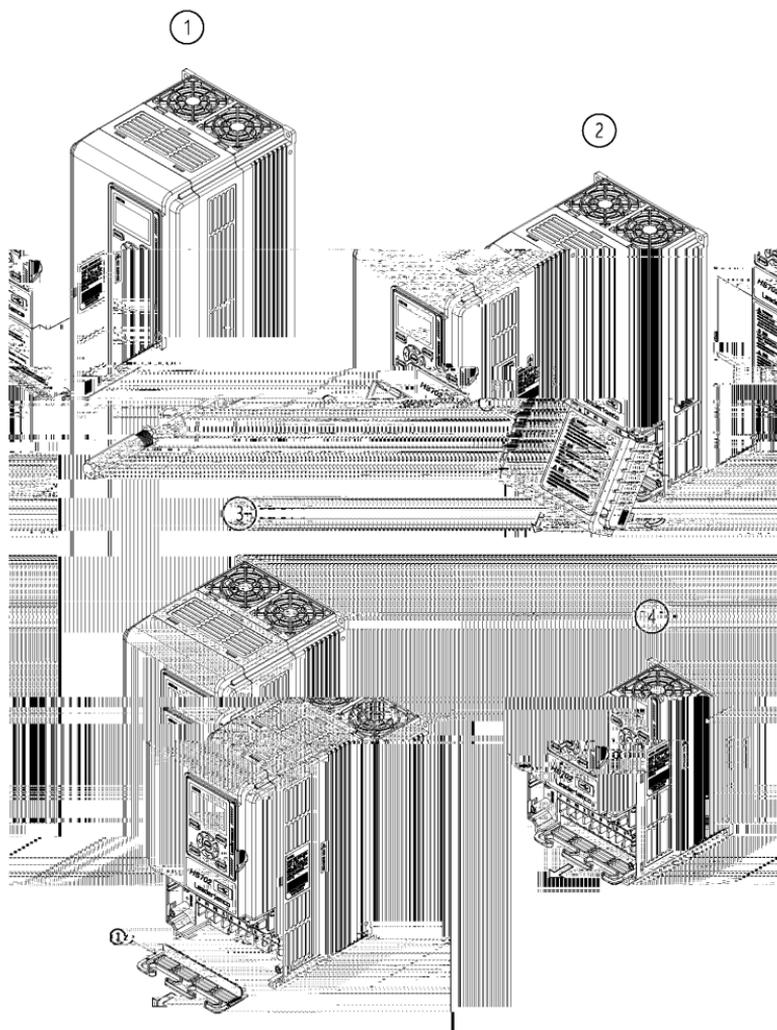
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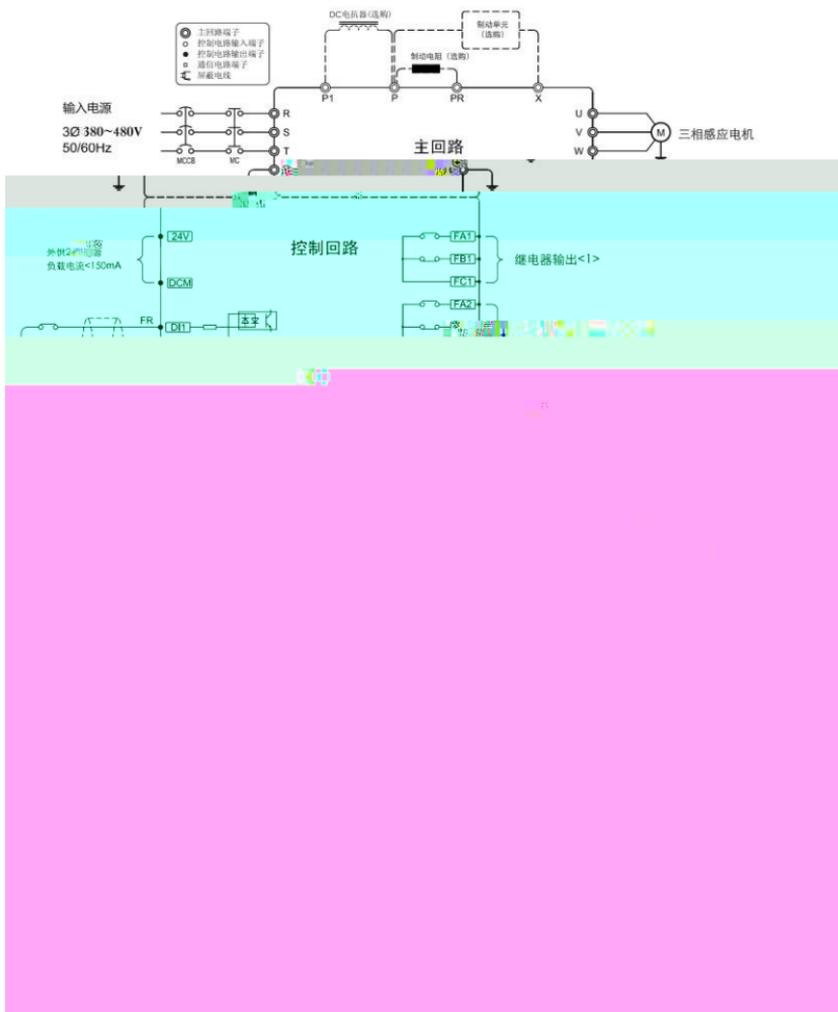
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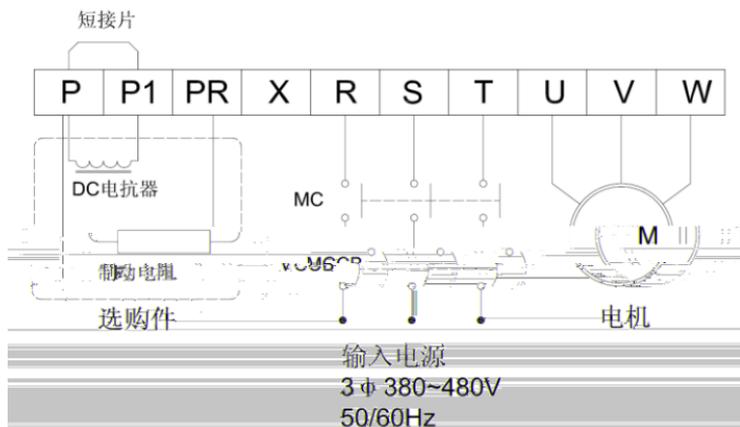
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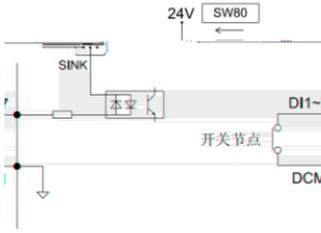
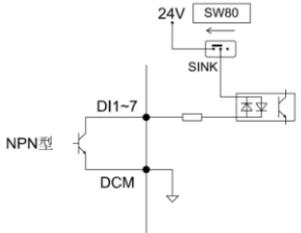
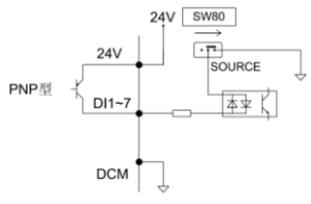
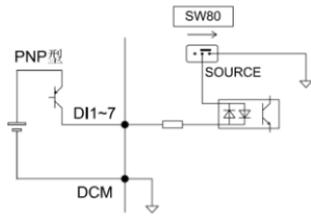
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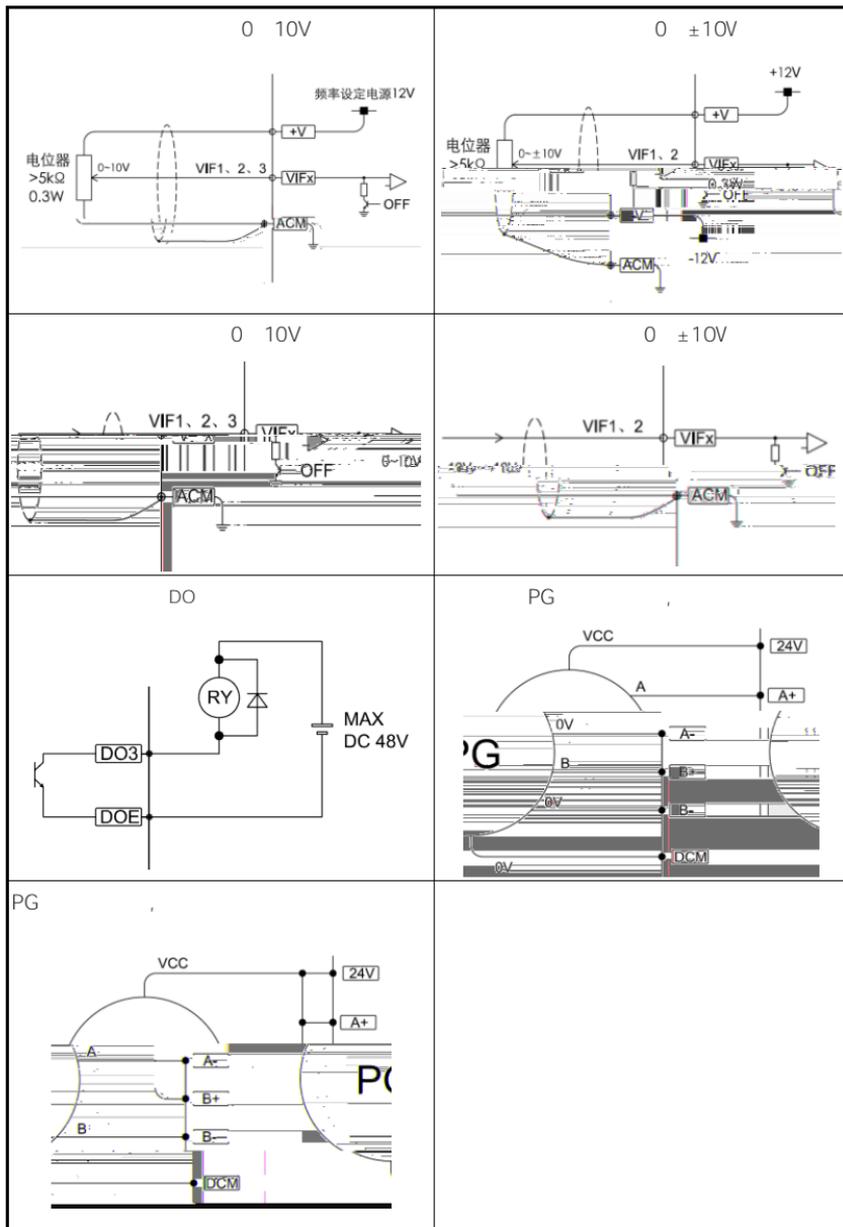
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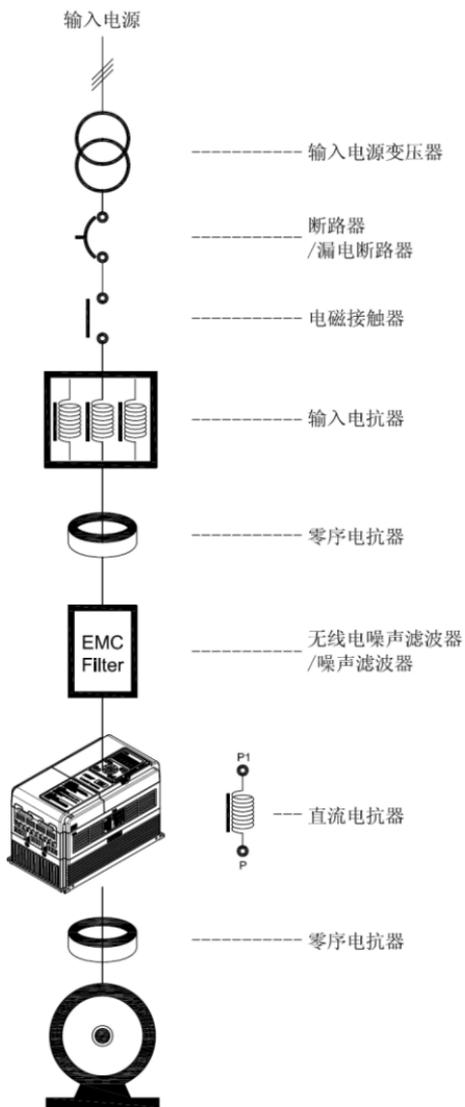
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5-3-2 LCD

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| <b>STOP</b> |  |
| <b>WAIT</b> |  |
| <b>FWD</b>  |  |
| <b>REV</b>  |  |
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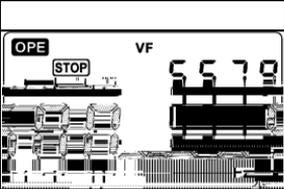
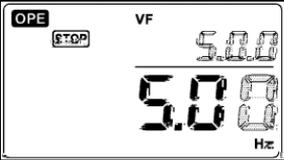
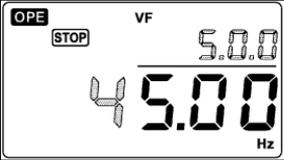
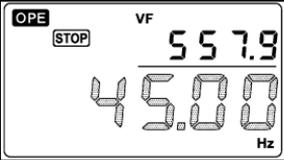
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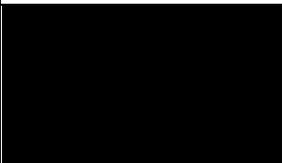
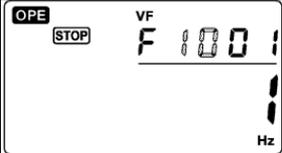
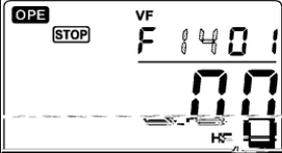
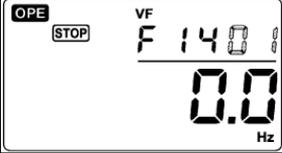
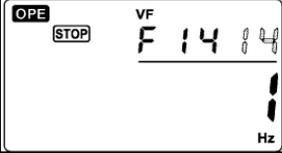
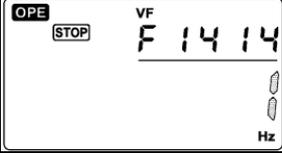
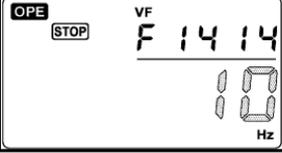
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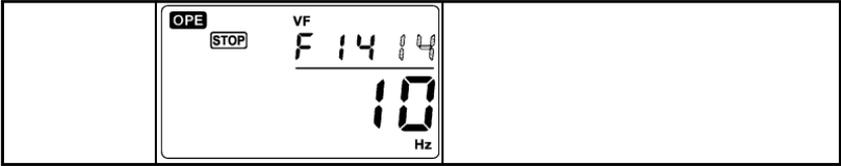


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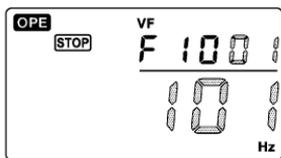
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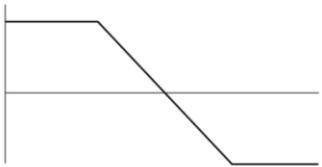
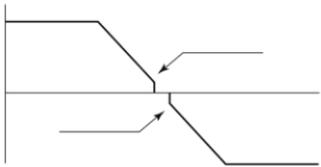
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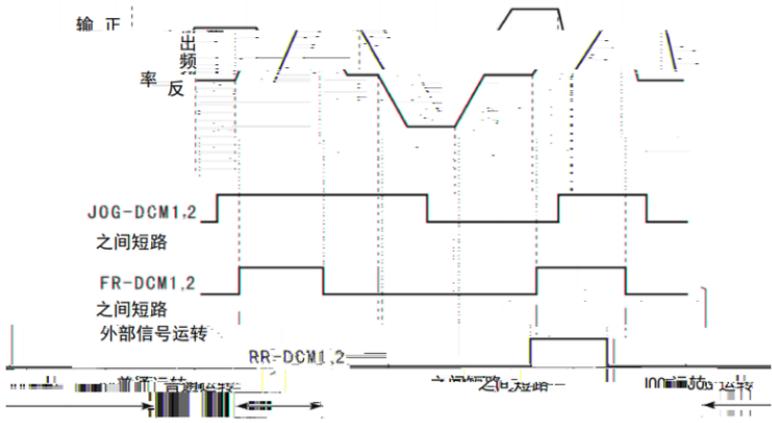




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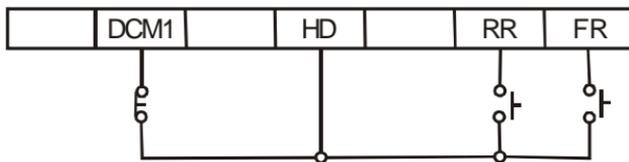
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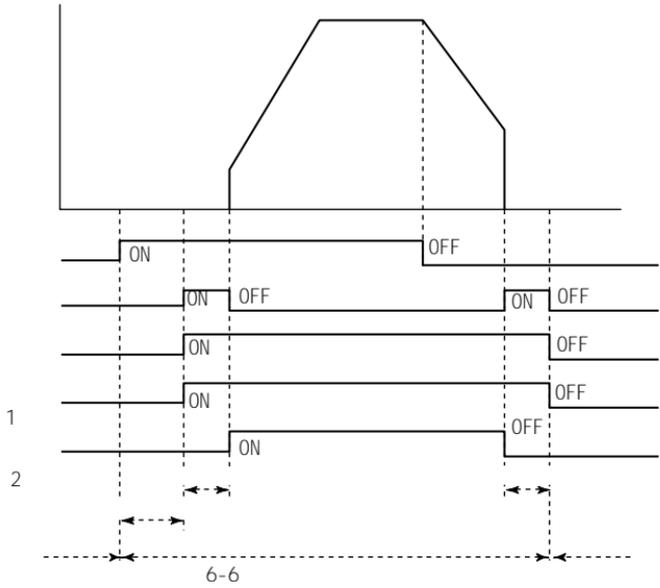
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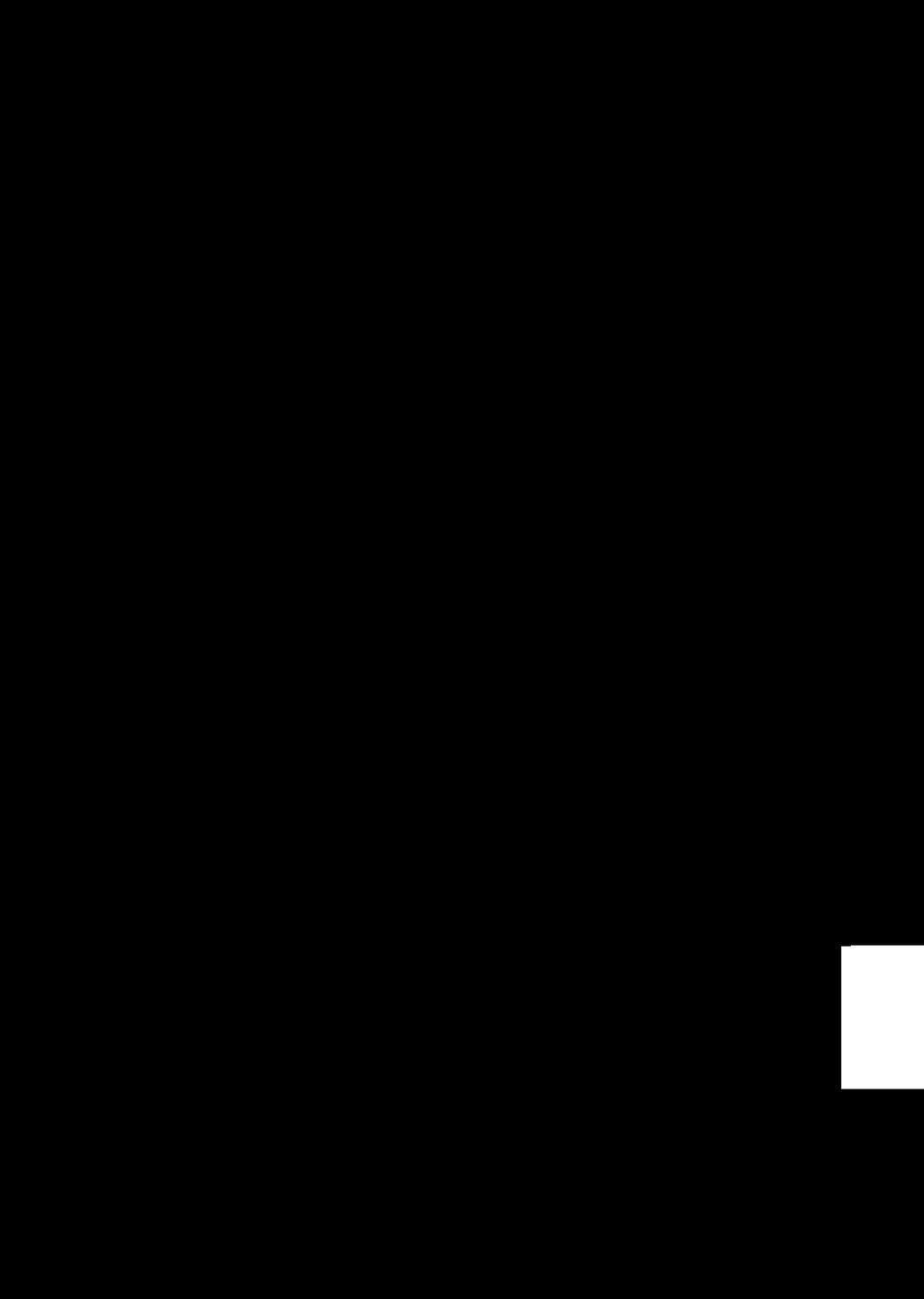
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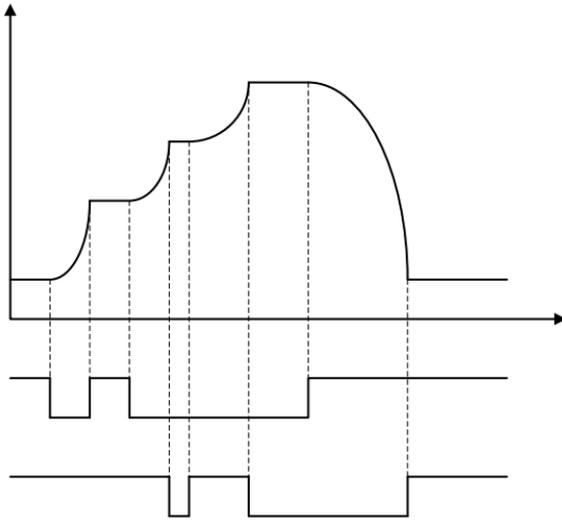
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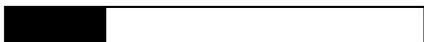
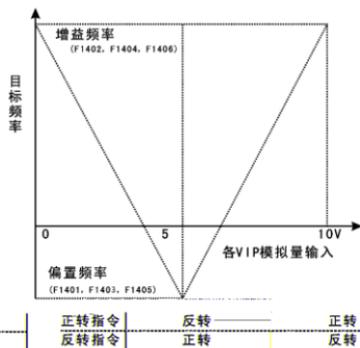
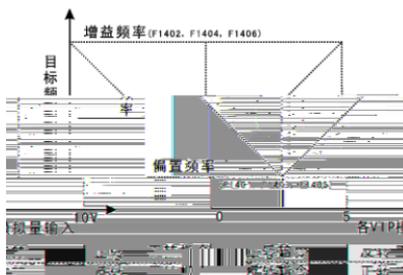
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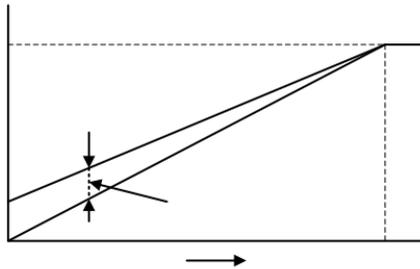
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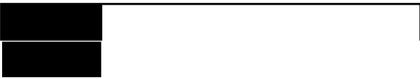
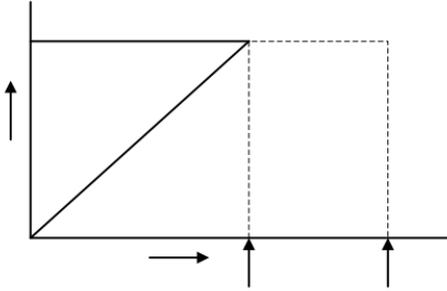
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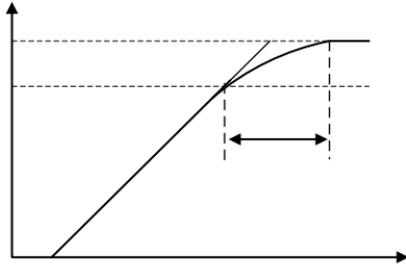
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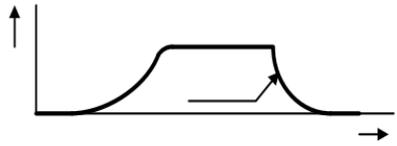
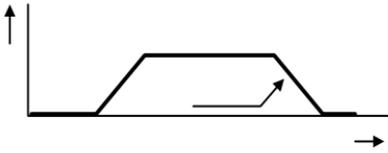
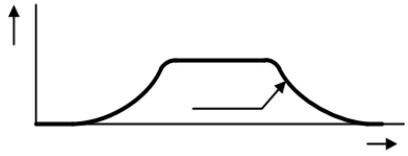
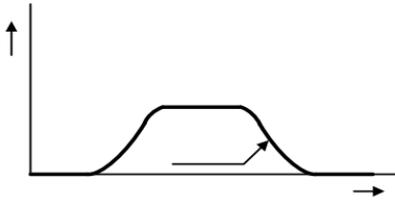
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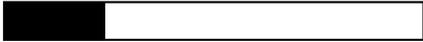
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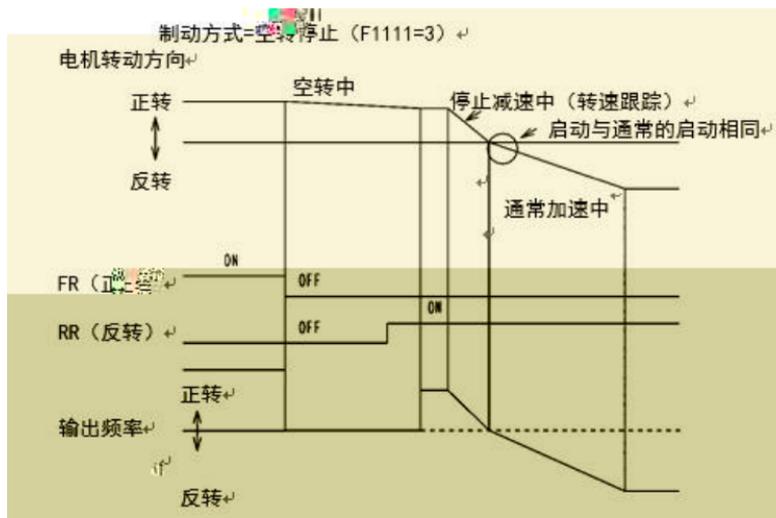
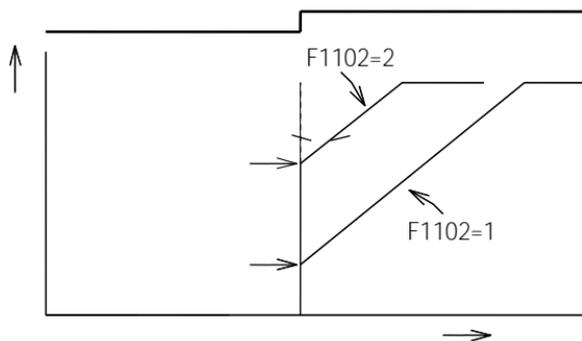
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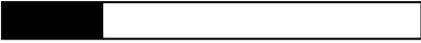
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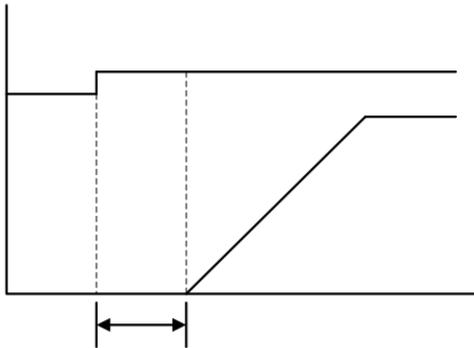
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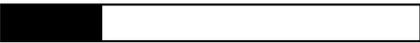


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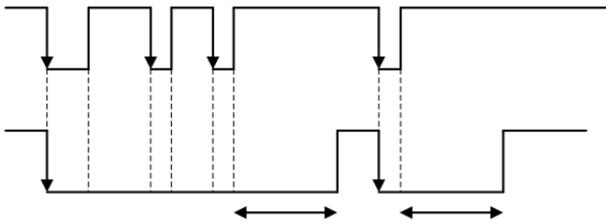
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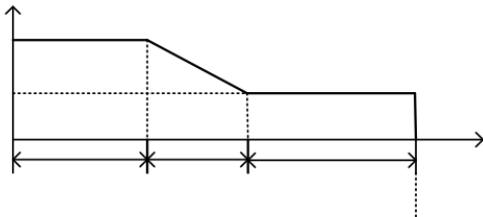
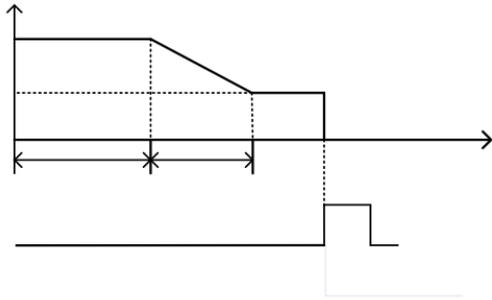
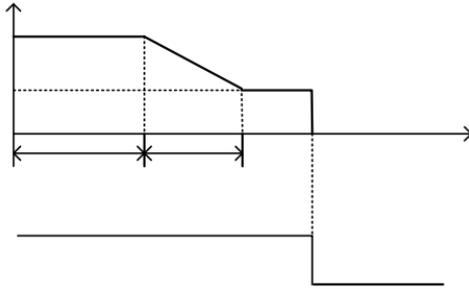




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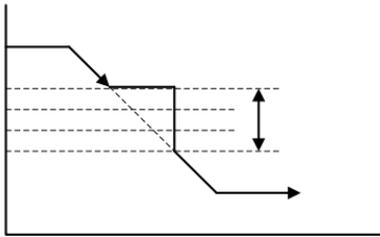
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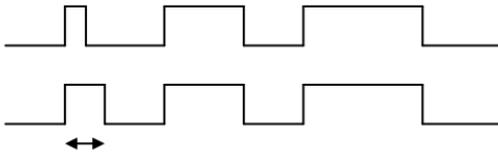
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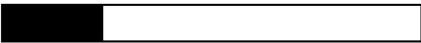
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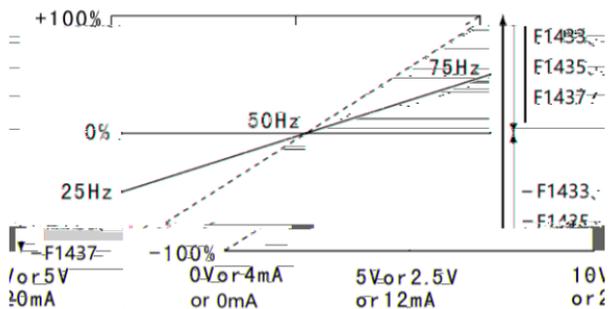
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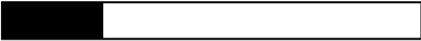
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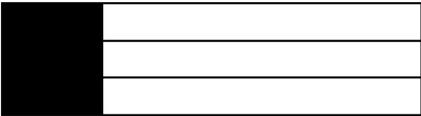
















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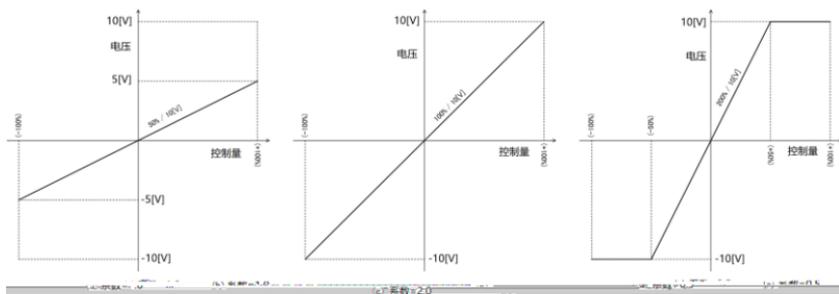
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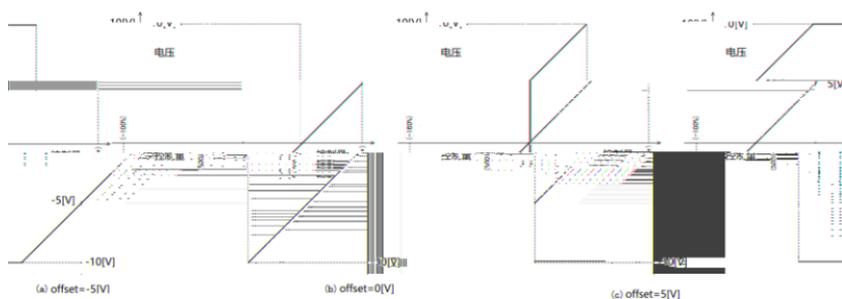
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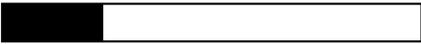
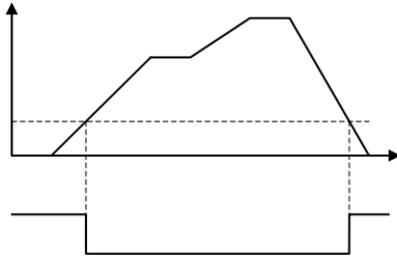
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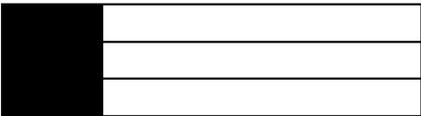


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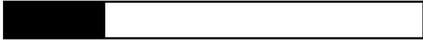
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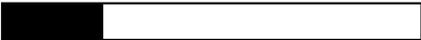
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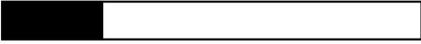
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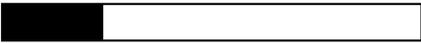












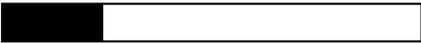




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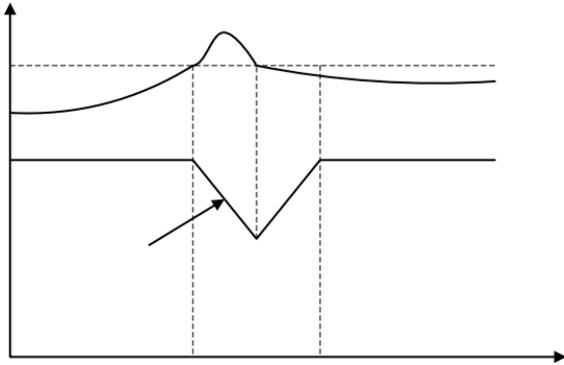






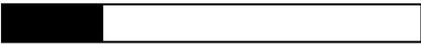
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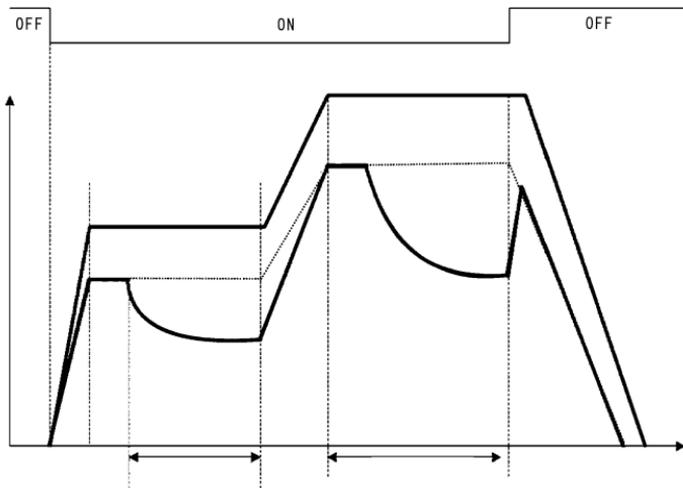












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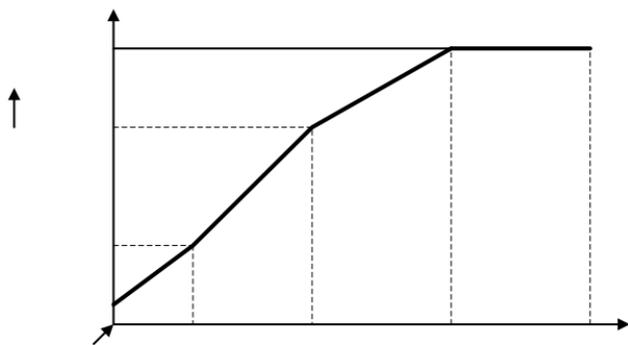
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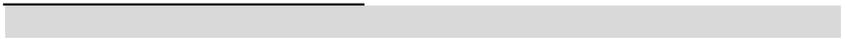
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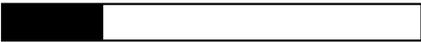
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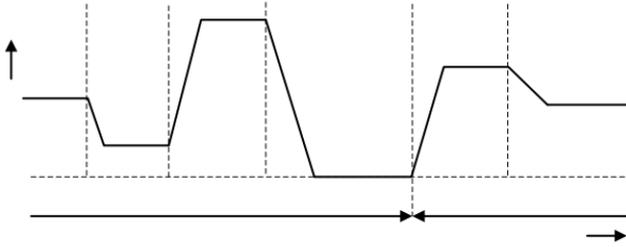


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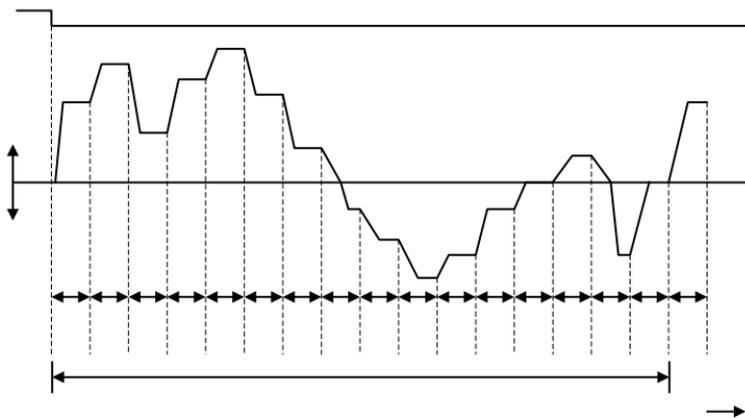
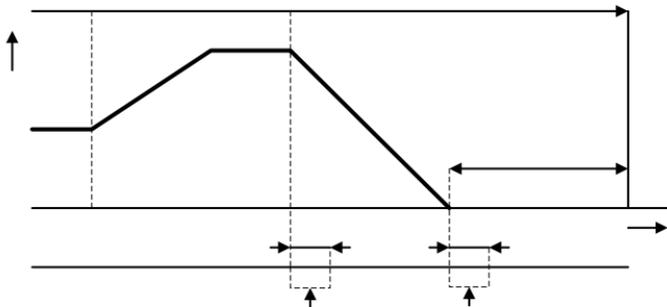
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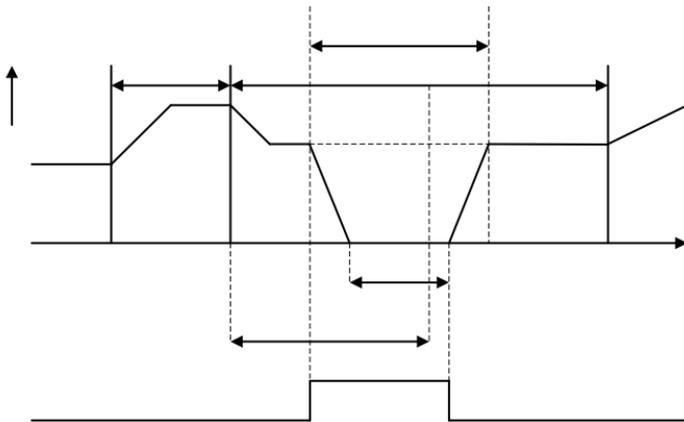




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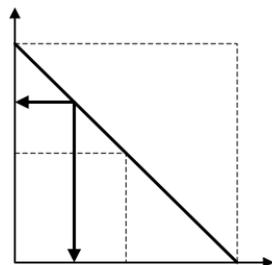
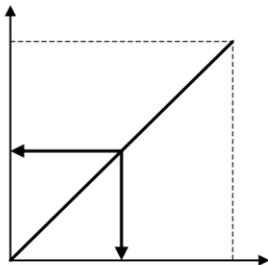
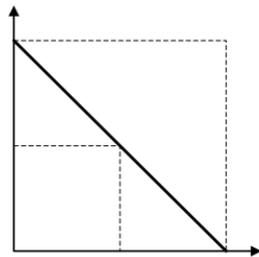
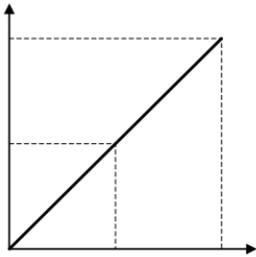
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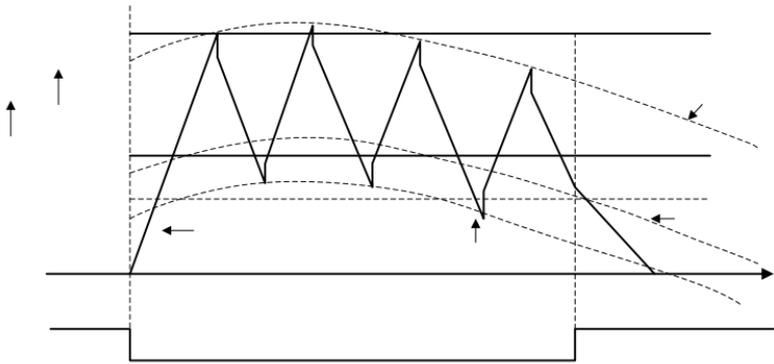




















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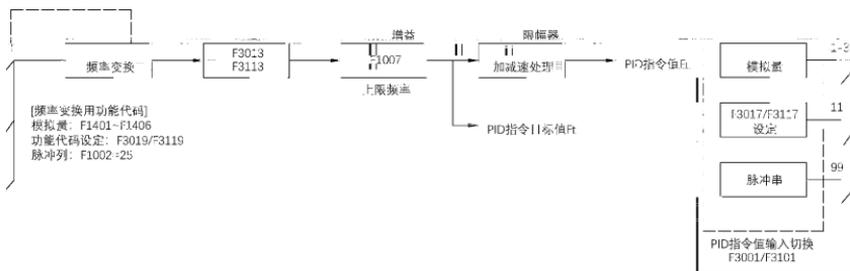
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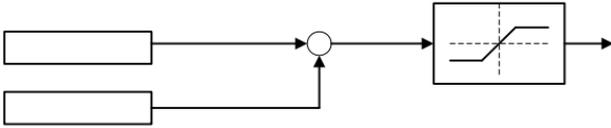
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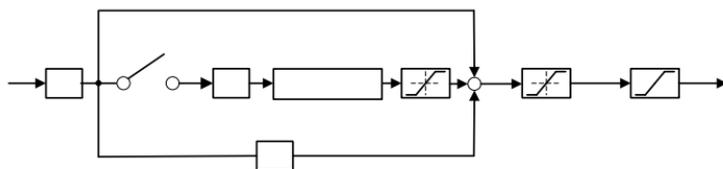
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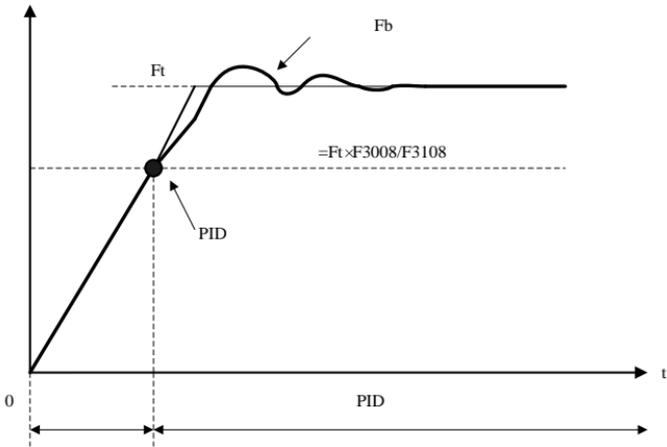
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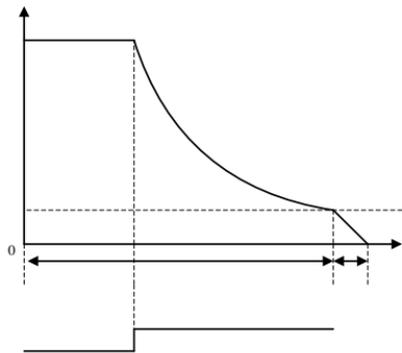
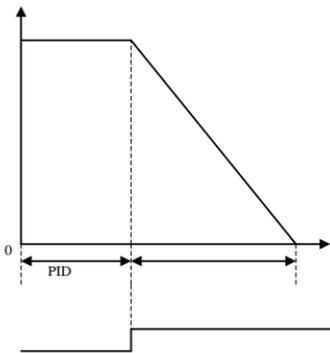
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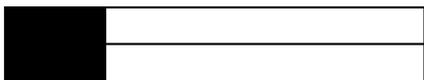
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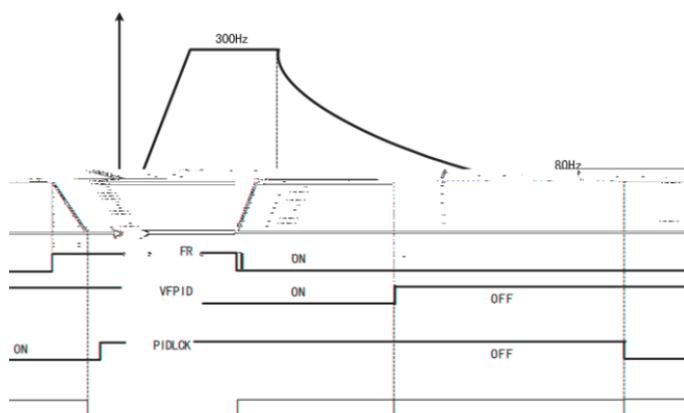


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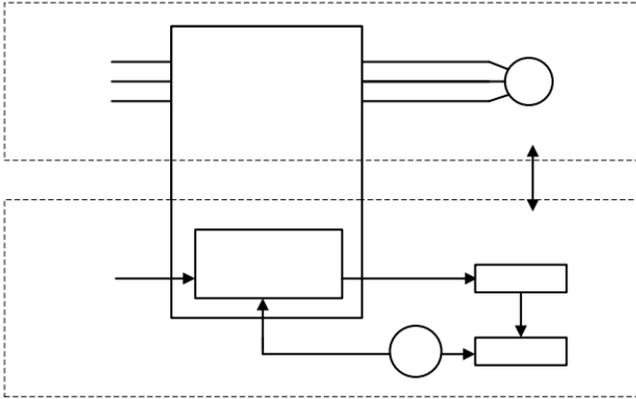


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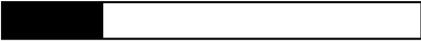
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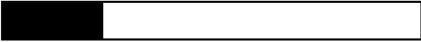
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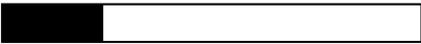
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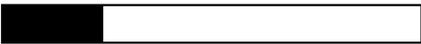
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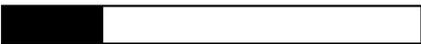












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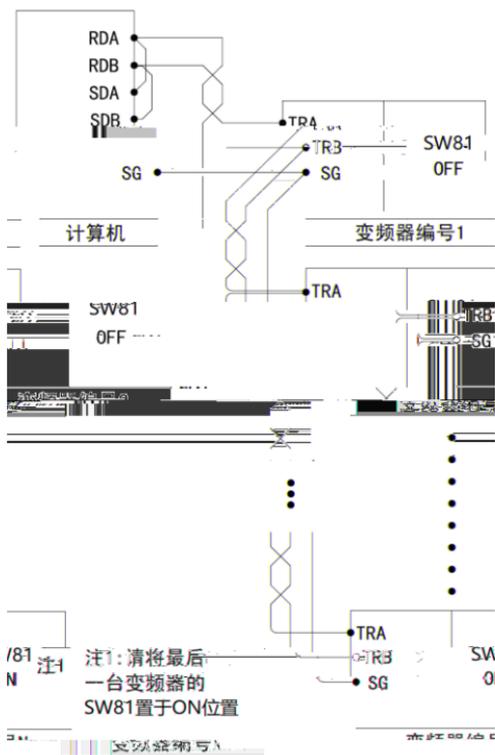






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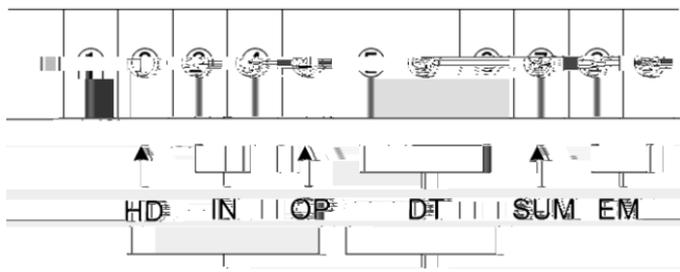




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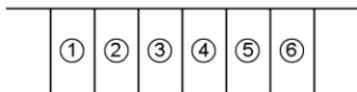
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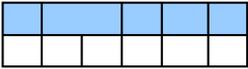
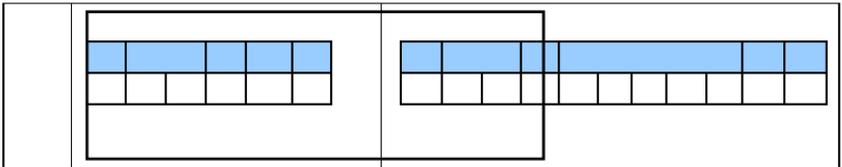
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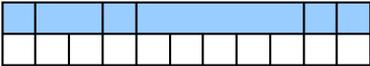
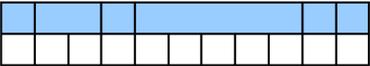
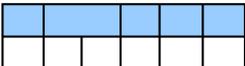
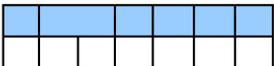
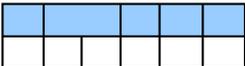
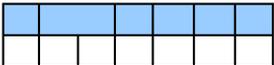
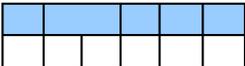
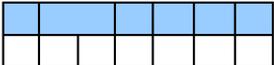
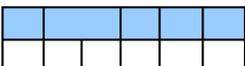
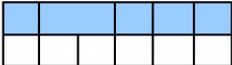
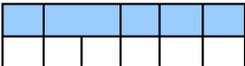
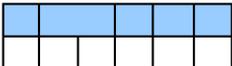
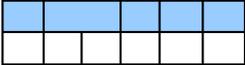
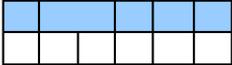
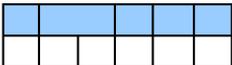
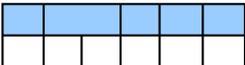
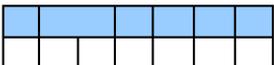
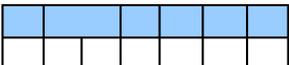
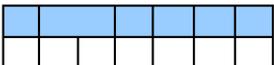


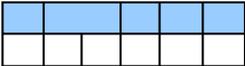
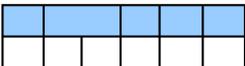
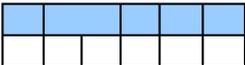
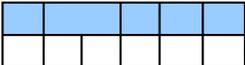
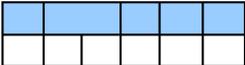
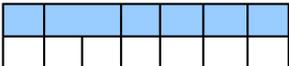
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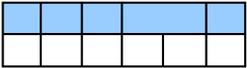
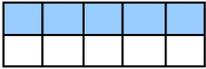
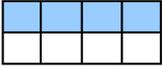
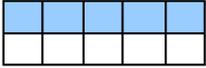
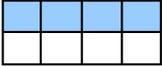
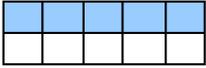
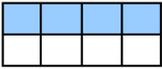
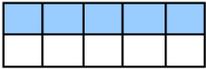
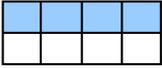
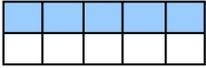
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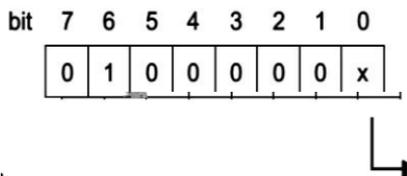
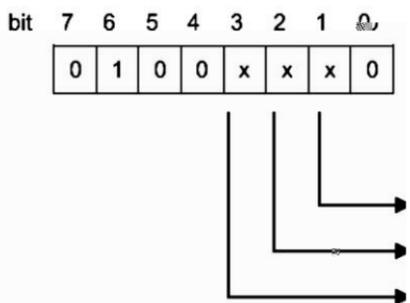
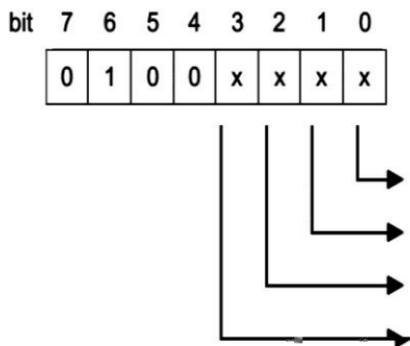


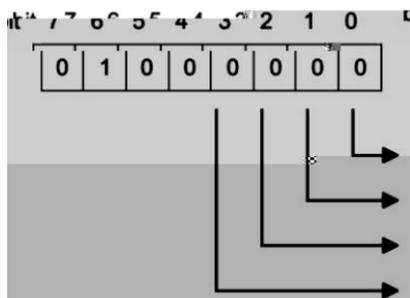
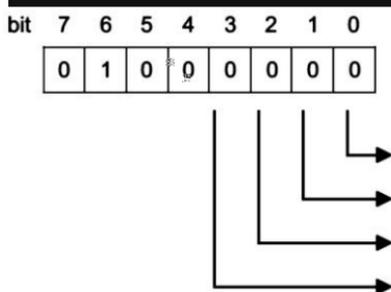
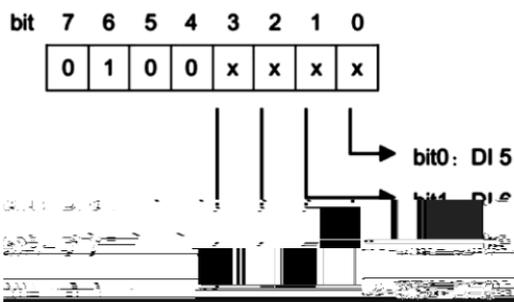
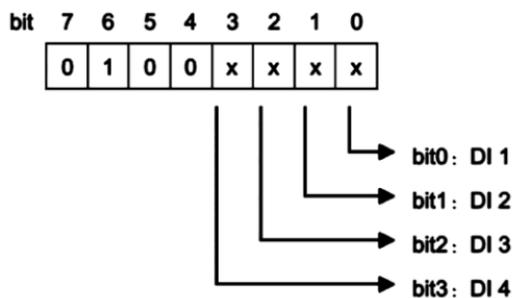
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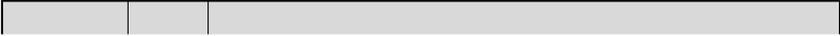
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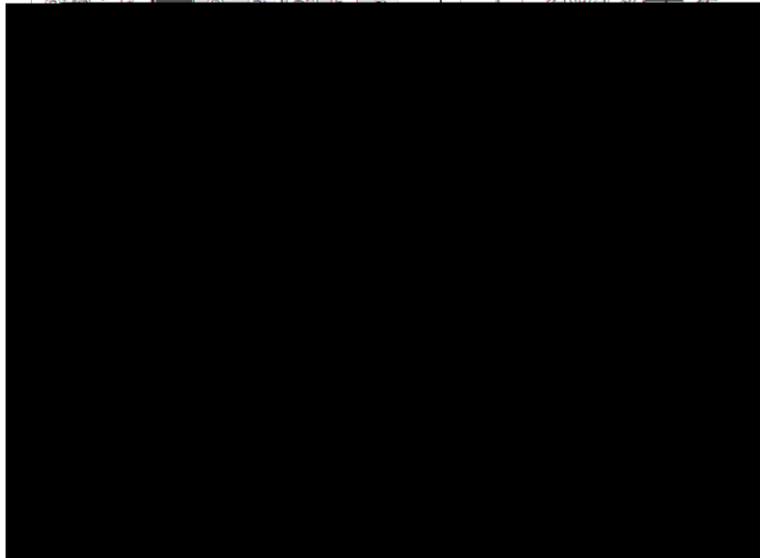




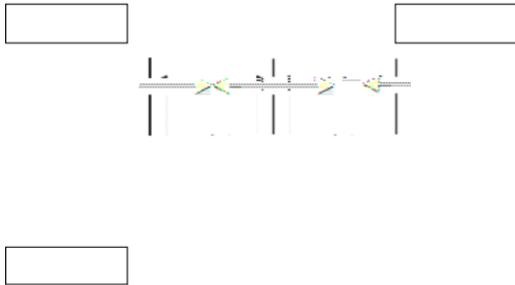


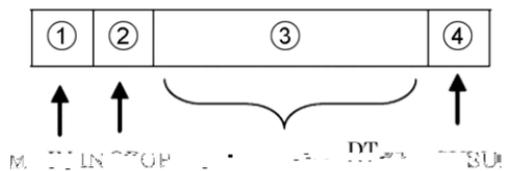


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7-4-6 ModBus-RTU



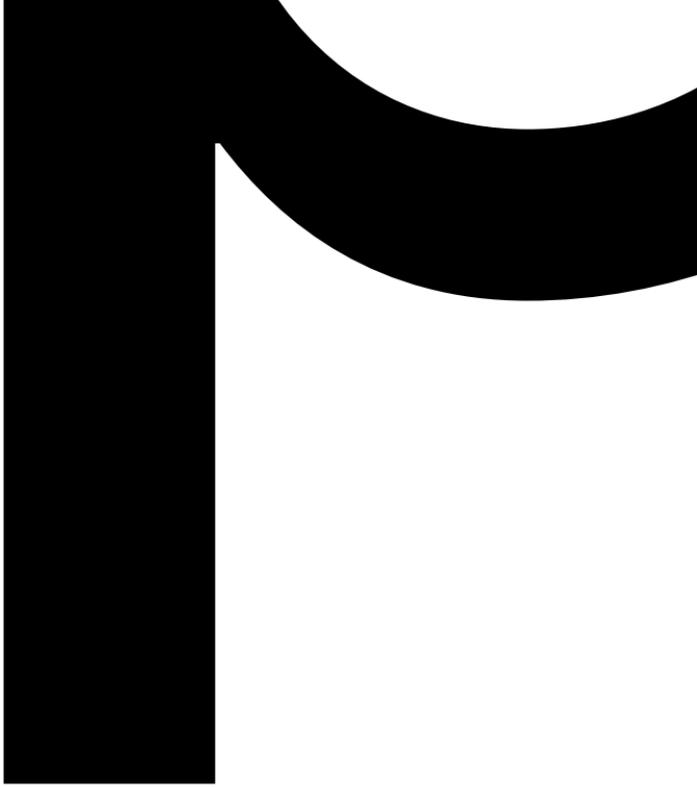


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8-1

8-1

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| S <sub>u</sub>  |  |  |
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8-2

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|--------------|--|--|--|
| RL 1         |  |  |  |
| RL 2<br>RL 3 |  |  |  |
| RL 4         |  |  |  |
| RL 5<br>RL 9 |  |  |  |
| RL 10        |  |  |  |
| RCER         |  |  |  |
| CnER         |  |  |  |
| dCER         |  |  |  |
| ES           |  |  |  |
| oH           |  |  |  |
| LvR          |  |  |  |
| Lvn          |  |  |  |
| Lvd          |  |  |  |
| oCH          |  |  |  |
| oCR          |  |  |  |
| oCn          |  |  |  |
| oCd          |  |  |  |
| oCPR         |  |  |  |
| oCPr         |  |  |  |
| oCPd         |  |  |  |
| oLR          |  |  |  |
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| oUR          |  |  |  |

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| oUn   |  |  |  |
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| oUP   |  |  |  |
| GRL 1 |  |  |  |
| GRL 2 |  |  |  |
| GRL 3 |  |  |  |
| PonG  |  |  |  |
| oPn o |  |  |  |
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| Gnd F |  |  |  |
| FRn L |  |  |  |
| rYoff |  |  |  |



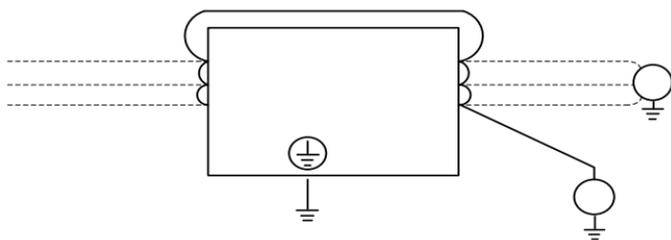
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10-1

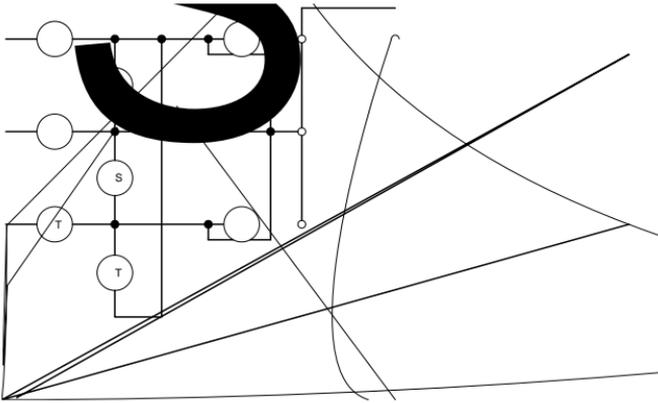


10-5



10-6

$$\frac{\text{功率[W]}}{\sqrt{3} \times \text{电压[V]} \times \text{电流[A]}} \times 100 \quad \text{功率因数}[\%] =$$



10-7

10-5

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