# SA1 - Hardware Description  Stand - Alone 1 Relay
# SA3 - Hardware Description  Stand - Alone 3 Relay

| QTY | DESCRIPTION | |
|---|---|---|
| 1 per system | **Fingerprint Scanner** - *(used for enrollment & authentication)*<br>• Is an outside unit that has dual purpose: a) user enrollment; b) user authentication<br>• It should be installed in a location that is visible and easy accessible to users.<br>• The unit is spray-waterproof, and as such the mounting location should provide adequate protection against heavy rain, snow, showers, and intense sunshine exposure.<br>• To ensure proper operation of the fingerprint scanner, it should be installed at the proper height from the ground to the center of the rough-in box (62").<br>• The fingerprint scanner is connected to the control unit by 4 conductors (2 data and 2 power).  Please refer to the wiring diagram for more info |  |
| 1 per system | **Control Unit** – *(used for relay control and programming)*<br>• Is an inside unit that has dual purpose: a) system programming; b) relay control<br>• It should be installed away in a separate and controlled location to prevent tampering.<br>• The control unit has 1 or 3 relays (SA1 or SA3).<br>• The control unit provides contact closures with normally open and normally closed relays (NO and NC)<br>• Each relay can be connected to any electrical device or lock such as door strike, magnetic lock, garage door, etc. (Note: these are not supplied by Holovision) |  |
| 1 per system | **Power Supply –**<br>• The system is shipped with a 9 VAC power supply.<br>• Power is applied to the Control Unit (inside unit).<br>• Fingerprint Scanner (outside unit) is powered by the control unit (inside unit) using 2 conductors.<br>• If battery operation is desired, the system can operate on regulated 12 VDC. 12VDC power supply is not included. |  |