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Fingerprint access control h0201 manual

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Installation Guide for TF1700 Standalone Outdoor Fingerprint Reader Controller & ZKAccess Classic software 3.5 Contents: - Components in the box, including mounting template, back plate, and screws - Safety precautions and product PIN diagram - Step-by-step instructions for mounting, power connection, RS485, PC, FR1200, lock relay, aux input, exit button, and Weigand connections - Troubleshooting and electrical specifications **Installation Guide and Safety Precautions** Before installing the Wiegand Card Reader FR1200, please read this guide carefully to ensure your safety and prevent damage. **Safety Precautions:** * Avoid installation in direct sunlight, humid environments, or areas with dust or soot. * Do not place magnets near the device, as they may cause damage. * Keep the device away from heating equipment and avoid exposing it to liquids, such as water or chemicals. * Supervise children when handling the device. * Handle the device carefully and do not drop or damage it. * Do not disassemble, repair, or alter the device without proper authorization. * Clean the device regularly to remove dust. **Product Specifications:** * Model Number: TF1700 & ZKAccess CLASSIC 3.5 * Operating Temperature: 0°C-45°C * Power Supply: DC 12V, 3A * Cable Connectors: + 7-pin connectors + 5-pin connectors + RJ-45 connectors **Software Installation Guide:** Please refer to the separate software installation guide for detailed instructions. Note that this paraphrased version aims to capture the main points and safety precautions from the original text, while omitting some technical details and specifications. To mount the reader on a wall or door frame, follow these steps: 1. Stick the mounting template to the wall and make holes as per the markings. 2. Mount the rubber gasket and back plate on the wall using the supplied screws. If you're dealing with drywall, use the provided plastic mullies (anchors) instead of drilling into solid wood. For a more secure installation, we recommend drilling the mounting plate screws into solid wood (i.e., stud/beam). To install the reader, follow these steps: 1. Insert the reader into the backplate. 2. Install the 3.5 software. Power Connection: * Use a regulated 12V DC power supply with a current rating of at least 3A that complies with standard IEC/EN 60950-1. * To share the power with other devices, use a power supply with higher current ratings. **Technical Specifications** The **ZKAccess CLASSIC 3.5 fingerprint access control system** operates on a power supply of 12V DC, with a maximum current draw of 3A. **Connectors and Wires** The system has various connectors and wires for different purposes: * RS485 connection: requires shielded and twisted pair cables, connected in a bus cascade to reduce signal reflection. * Ethernet connection: uses RJ45 connectors for networking. * Power supply: connects to the +12V and GND pins. **Warning: Incorrect Connections** Failure to follow proper wiring connections can lead to incorrect operation or damage to the system. Specifically: * Do not omit the GND signal if the voltage difference is more than $\pm 5V$. * RS485 communication wires should be connected correctly, with the 485+ and 485- pins on opposite sides of the cable. **Installation Guide** To install the ZKAccess CLASSIC 3.5 software, follow these steps: 1. Connect the RS485 communication wires to the corresponding ports. 2. Ensure the power supply is connected correctly. 3. Install the software on a PC and configure it according to the manufacturer's instructions. **Certifications and Licenses** The ZKAccess CLASSIC 3.5 system meets various certifications, including CE, RoHS, and ISO9000, and has obtained manufacturing license No: 75569364-2 and SBTS Registered No: H0201 Installation and configuration guide for TF1700 and FR1200 devices, as per the diagram provided. Devices require DIP switch settings to enable master-slave functionality, with switches 1-4 used for RS485 address, switch 6 for noise reduction on long cable lengths. Cable length must be within specified limits, and additional setup is required if using longer cables. FR1200 can operate as a slave device when configured as such, utilizing the Slave mode. Power supply requirements include a DC 12V voltage source with a maximum current of 3A. Operating environment temperature range is specified as 0°C-45°C.