

Power Supply Panel Boards



Description

Power supply panel boards are designed for control of various environmental equipment used in mushroom growing process, like air handling units, fans, steam generators, water pumps, electrical heaters, chillers, etc. The panel boards convert low-power control signals of digital controllers into control signals for powerful electrical devices, provide isolation and EMF protection for signal and power supply lines. Industrial panel boards are made in sealed metal or plastic housings with control and indication elements. Power elements (triacs, solid-state relays, contactors, starters, circuit breakers, frequency converters, automatic switches) are selected on the base of customer's requirements and are confirmed with a customer. Our company performs panel board design and manufacturing, provides all the necessary technical documentation (circuit diagrams, external connection diagrams, cables' lists, material specifications, passports, manuals), installation, as well as consultations and instructions for operational staff.

Possible Functions

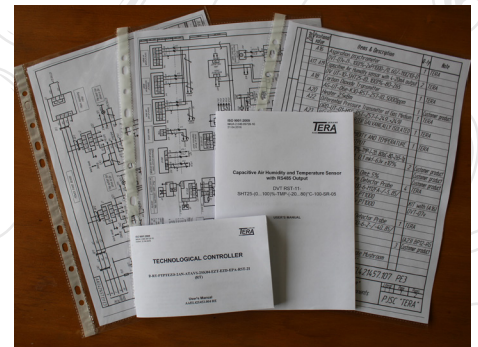
- Control of environmental equipment: air handling units, steam generators, air dampers, fans, water pumps, electrical heaters, etc.
- Power supply and decoupling
- Overcurrent and thermal protection of electric motors
- Short circuit and EMF protection
- Automatic backup power supply
- Switching operating modes by external buttons or switches
- Panel board service life: min 8 years



Panel board for air handling unit control



Panel board for heat pump control



Technical documentation for panel boards

PANEL BOARDS

CO2 Portable Calibrator

Description

Alarm panel board is designed for light and sound alarm signaling in mushroom growing process. If any emergency occurs during growing or composting process, the alarm lamp corresponding to the room or process begins to flash and beep continuously. To confirm the signal, an operator should press any button on AKS panel board. After that the lamp begins to light continuously if emergency situation continues to exist, or the light switches off if emergency situation disappeared. The beep stops sounding after pressing the button. Alarm panel board helps to determine the exact growing room or process where the violation of mushroom growing process occurred.

Basic Specifications

Supply Voltage	220 V±10%
Frequency	50±0.4 Hz
Material	Plastic
Protection Class	IP 54
Dimensions (HxWxD)	210x270x140 mm
Weight	max 4.0 kg

Model

Description

PZAS Light and Sound Alarm Panel Board

