

Parking Bay Electrical Control Panel

Model Number: THRSLPBCP1001

Overview

The **Parking Bay Electrical Control Panel** is designed to manage and distribute electrical power for automated parking bay systems in defense and industrial facilities. It integrates power switching, safety protections, and monitoring interfaces to ensure reliable bay operation.

The system has been **supplied to DRDO Pune R&DE and Indian Air Force (IAF)**, where it is deployed in mission-critical ground vehicle and robotic infrastructure.

Technical Specifications

Parameter	Specifications
Input Supply Voltage	230V AC, 50 Hz
Output Voltage	24V DC (for control circuits)
Control Interfaces	Push buttons, selector switches, emergency stop
Indicators	LED indicators for Power, Bay Status, Fault
Protection	MCBs, ELCBs, Surge Protection
Enclosure	Powder-coated MS cabinet, wall/floor mountable
Cooling	Natural convection
Dimensions	(Insert actual size if available)
Weight	(Insert actual weight if available)
Operating Temperature	-20°C to +55°C
Protection Standard	IP54

Key Features

- Reliable **power distribution and control** for parking bay systems
- Integrated **safety protections** (MCBs, ELCBs, Surge Protection)
- Operator-friendly **push button and switch interfaces**
- LED indicators for quick system status monitoring
- Rugged enclosure suitable for defense infrastructure
- Proven in **deployments with DRDO Pune R&DE and IAF**

Applications

- Defense facility parking bay systems
- Automated robotic bay management
- Industrial parking and staging bays
- Ground vehicle power control systems



Note

The **Parking Bay Electrical Control Panel** is part of **THRSL's standard technology suite**, built for **plug-and-play deployment** in defense and industrial facilities. Its supply to **DRDO Pune R&DE and Indian Air Force (IAF)** highlights its reliability in mission-critical infrastructure.

Custom versions can be developed for higher capacity, alternate control interfaces, or specialized defense applications.