

## 48500-EZ SERIES

### **2-5 Door PLC Interlock Controller Field Configured with independent Two Zone capability**




#### **Standard with Power Supply & Enclosure**

The 48500-EZ PLC controller can be paired with a 4-Amp UL 294 Class 2 power supply and NEMA enclosure providing power to operate maglocks, electric strikes and traffic lights. The controller is also available without the power supply & enclosure for connection to an existing 12-24VDC power source.

#### **Models:**

##### **#48501-EZ PLC Controller (Powered)**

**Mounted in an enclosure with a  294 power supply. Controls 2 – 5 Doors in Any Combination Locked or Unlocked. 1 or 2 zones with Emergency Override, Door Alarm, Alarm Reset and Shunt per individual zone**

##### **#48500-EZ PLC Controller (Standalone)**

**Control Board only No Power supply or Enclosure. Controls 2 – 5 Doors in Any Combination Locked or Unlocked. 1 or 2 zones with Emergency Override, Door Alarm, Alarm reset and Shunt per individual zone**

#### **Control Dual Interlocks Up to 5 Doors**

The 48500-EZ PLC is a cost-effective easy method for interlocking two to five doors or controlling two independent interlocks. It is a one board solution that gives the installer complete control of all operating and configuration options without any software. The system is configured onsite for door control, alarm response, security level, and interlock overrides using onboard switches and jumpers. Outputs for traffic lights and violation alarms are included.

#### **Environmental and Security Applications**

Suitable for air locks, clean rooms, sally ports, data centers, schools, jewelry stores, money rooms, security mantraps and any facility where interlocking doors are a critical part of access control. All door types are supported: locked or unlocked, manual or automatic including "soft interlocks" using red/green traffic lights for visual access control.

#### **Access Control Compatible**

Designed to work with access control systems, a contact closure at the request for access input indicates a valid request and is checked against interlock status before the door is allowed to open. Door status is fed back to the access control system via dedicated relay contacts.

#### **Expandable With Multiple Zones**

Controllers can be paired to operate up to 10 doors of one to four zones, with shared doors between zones.

#### **High Security Applications**

The 48501-EZ is capable of monitoring external threat detection systems: tailgate alarms, metal detectors, duress alarms or guard booth oversight to lockdown selected doors.

#### **Program Mode Select**

Various operating modes are selected by DIP switch, including single or two zone mode, one-way lane operation with auto-door sequencing, air pressure equalization mode, and separate relay control of locks and door operators. Three adjustable timers are available for monitoring propped-open doors, timed emergency unlock and air pressure status.



