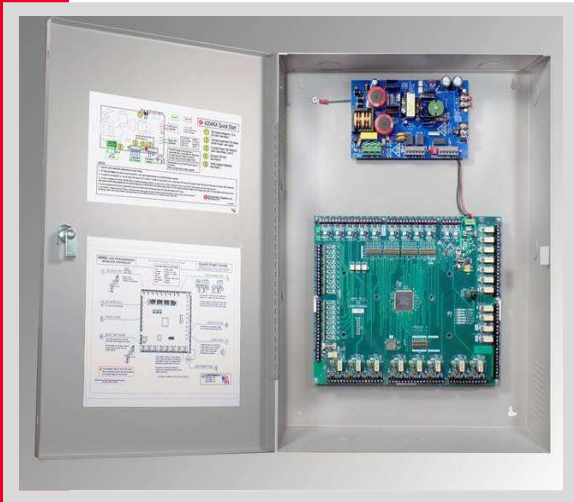



48900 SERIES

Field Configured Nine Door Interlock User Programmable PLC Interlock



Features:

48901 DC Powered PLC Controller:

Mounted in an enclosure with  294 power supply. Controls 2 – 9 Doors in Any Combination Locked or Unlocked

48900XPA Panel mounted Controller: PLC mounted on a panel with Stand-offs for field mounting in existing Enclosure.

48900 Stand-alone PLC Controller: PLC circuit board only. No Enclosure or Power Supply.

Field Selectable Door Sequence & Functions

The 48900 PLC interlock controller is a cost-effective method for operating door interlock and mantrap systems of up to nine doors. The fully integrated controller is a one board solution that allows the installer complete control of all operating and configuration options without complex software.

Environmental or Security Applications

Suitable for air locks or security mantraps with two to nine doors that are locked or unlocked. This controller has outputs for traffic lights, door violation alarm and provides three individual timing sequences for, *Propped Door Time*, *Emergency Override Unlock Time* & *Rex Unlock Time*.

Access Control Compatible

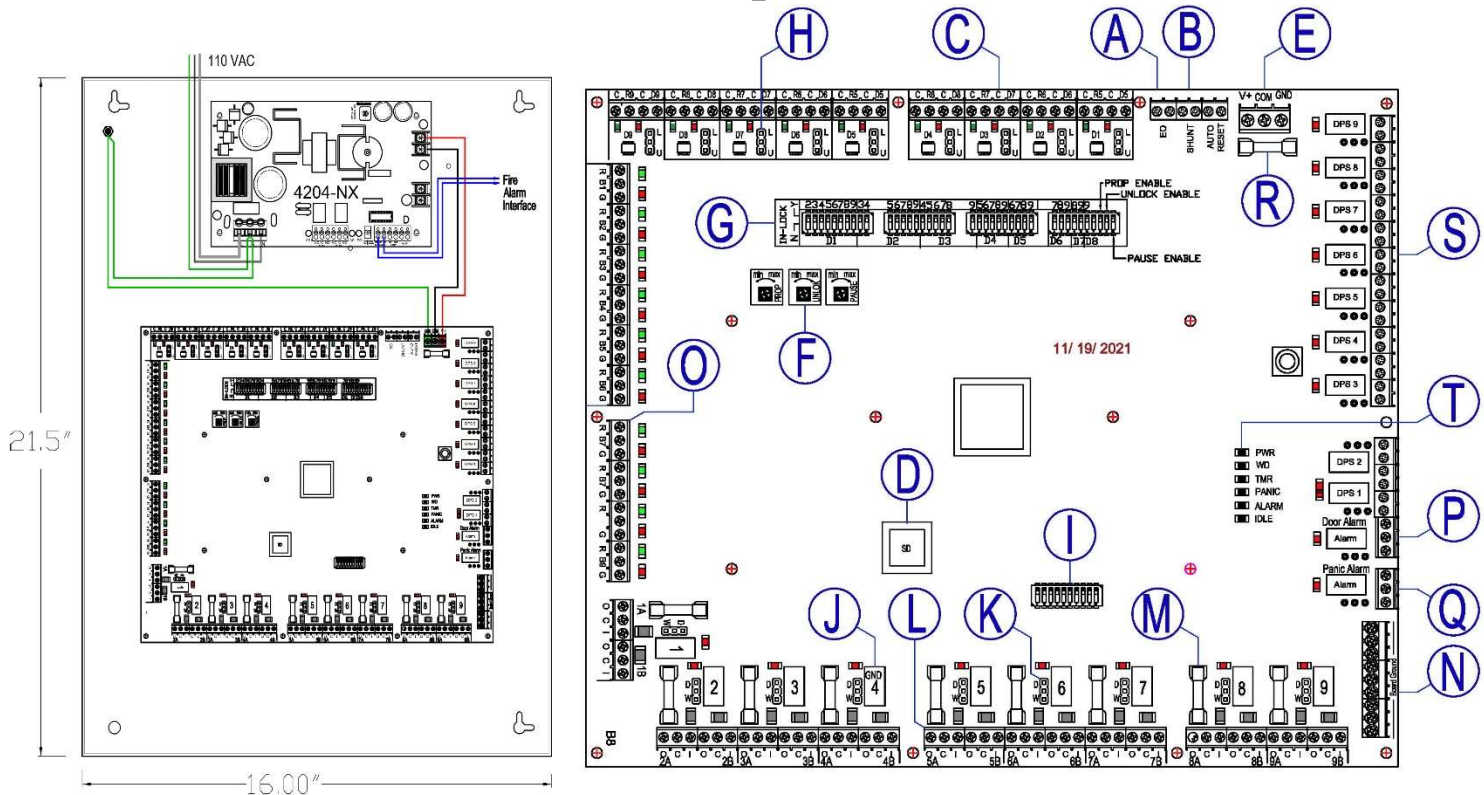
Any access control system can be used with the 48900 series controllers. The request for access input utilizes a dry contact. Each door has a form-C SPDT dry contact output to mirror door status back to an access control panel or remote console.

Available with Power Supply & Enclosure


The 48900 controller can be paired with a 4, 6 or 10 Amp UL 294 power supply (*only the 4 amp includes a Fire Alarm connection*) and all can provide 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.



Product Specifications



Physical & Electrical Data:

48901 Powered with Enclosure
 NEMA Enclosure - 16"W x 21-1/2"H x 4-1/2"D
 accommodates PLC controller and 4204NX
 4 Amp Class 2, UL 294 Listed power supply
 AC Input - Fused 110 VAC
 DC Output - 4 amp @ 12/24 VDC 
 Optional 6 or 10 Amp Power supply available.

48900XPA Panel mounted 13.5" W x 11.5" H

48900 PLC Module 12" W x 10" H x 1.5" D

Inputs:

Nine Inputs for Door Status
 Nine Request for Access
 One for Panic release, One for Interlock
 Shunt/Override

Outputs:

Nine Lock Control Relays rated 2 Amps
 @ 28 VDC
 Nine Door Status Outputs
 Powered Red & Green LED outputs for
 each door
 One Door Alarm Output, One panic
 Alarm output

Timers:

Three Onboard Adjustable Timers for:
 Propped Door Time, Emergency Override
 Unlock Time & Rex Unlock Time

Operation –

Unlocking or opening one door
 automatically secures other designated
 doors within the Interlock group. A
 request for access at any normally
 locked door will inhibit the REX inputs for
 all other locked doors and secure all
 designated unlocked doors in the group.

Lock relay contacts will switch low
 voltage power to maglocks and/or
 strikes. Lock outputs can be set for
 either wet or dry contacts and fail-safe or
 fail-secure operation. For user feedback,
 designated red/green LED outputs show
 lock status for unlocked doors or door
 availability status for locked doors.
 Typically a green light indicates that
 access is permitted, while a red light
 signals that another door is open and
 access is denied at this door.

There are two designated alarm outputs;
 one for an interlock door violation alarm
 and one to indicate emergency unlock
 for a panic release.



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