P0903CV

System position and pre-work record

P0903CV is an annunciator keyboard for a Foxboro GCIO workstation arrangement. The documented front panel has forty-eight LED and switch pairs arranged in a 12-column by four-row matrix.

Identity and connection boundary

The keyboard provides operator alarm interaction, including horn-silence and lamp-test functions. Its GCIO serial connection and workstation configuration determine how panel events and indications map into the installed system.

Verified component data

Operator device

Annunciator keyboard

LED/switch pairs

48

Front-panel layout

12 columns × 4 rows

Workstation interface

GCIO serial

Operator functions

Horn silence and lamp test

Safe-work boundary

Record the installed revision, wiring and configuration. Place affected functions in the approved maintenance state before disconnecting hardware.

Configuration record

Keep the workstation alarm database, GCIO serial-port assignment, column labels, LED colour map and switch-action schedule with the replacement record.

Return-to-service evidence

Test selected red/yellow indications and switch responses against the host display. Confirm horn silence and lamp test locally, then record the operator acceptance result.

Reference boundary: confirm the installed workstation revision and site alarm map before reconnecting.

Installation and replacement sequence

01 Save assignments

Record each alarm label and switch mapping.

02 Check serial link

Match the GCIO cable and workstation port.

03 Protect operator access

Plan alarm coverage while the panel is offline.

04 Inspect panel

Check legends, switches and LED condition.

05 Restore configuration

Apply the approved workstation mapping.

06 Test functions

Verify keys, LEDs, horn silence and lamp test.

Before replacement, document the installed label set, alarm assignments and serial connection. After fitting, test key response, LED indications, horn silence and lamp test under an approved workstation test plan.

Initial diagnostic decisions

How are the 48 positions on P0903CV assigned?

The panel supplies LED/switch pairs; alarm text and actions are defined by the installed GCIO workstation configuration.

What should be checked if an LED on P0903CV does not follow an alarm?

Compare the alarm mapping, GCIO serial link, panel LED test and host event state.

Does P0903CV replace the workstation alarm database?

No. It is an operator interface; the system configuration supplies event mapping and alarm logic.

Technical enquiry

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