P0903CV

GCIO Annunciator Keyboard

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 engineering context

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.

Technical capability map

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

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.

P0903CV

Applications and compatibility

Alarm annunciation

Present configured alarm states with dedicated LED indications.

Operator acknowledgement

Provide assigned switch actions for workstation alarm handling.

Horn control

Use the documented horn-silence function in the configured system.

Lamp verification

Exercise the lamp-test function to check panel indicators.

Engineering precautions

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.

P0903CV

Service decisions and documentation

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.

Does P0903CV replace the workstation alarm database?

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

Why should the legends on P0903CV be recorded before service?

Physical labels must correspond to the configured alarm and switch positions after replacement.

Can the lamp-test result alone approve P0903CV for operation?

No. Lamp test checks indicators; also verify alarm mapping, switch action and communication.

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.

How is horn silence tested on P0903CV?

Use a controlled alarm test under site procedures and verify that horn-silence action affects the intended annunciator function.

What if every switch on P0903CV stops responding?

Check GCIO serial connection, workstation recognition, configured device identity and panel power before isolating an individual key.

What handover evidence belongs with P0903CV?

Retain an as-left position map and results for LED, key, horn and serial communication checks.

Technical basis: Foxboro PSS 21H-4E1 B4.

Related Foxboro service parts

- Foxboro FBM218 P0922VW
- Foxboro P0922AE
- Foxboro FBM1/37/43 P0400HH

Technical enquiry

sales13@apterpower.com

+86 18030235313 | WhatsApp