B&R 5AC901.LSD3-00

01 APC910 transmitter and panel receiver

Confirm the APC910 option position

Verify the Automation PC 910 host and the exact 5AC901.LSD3-00 option identity. Check the supported host configuration before installing or replacing the transmitter.

Match the panel receiver

Identify the Automation Panel's SDL3 receiver and compatible link arrangement. Do not connect the transmitter to an Ethernet switch simply because both use RJ45 connectors.

Host compatibility	Automation PC 910
Interface	1 × SDL3 transmitter output

02 Cable reach and operating conditions

Select the supported link cable

Use the specified SDL3/SDL4 cable and keep the route within the 100 m limit. Retain shielding and connector integrity through feed-throughs and moving supports.

Check the system thermal limit

Review the complete APC910 and panel temperature conditions. The option's 0–55 °C rating does not override a tighter host-system limit.

Supported link length	Up to 100 m with specified SDL3/SDL4 cable
Accessory operating range	0–55 °C, system limits also apply
Operating humidity	5–90% RH, non-condensing

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03 Single-link connection and diagnostics

Restore the single communication path

Reconnect the shielded SDL3 link and the panel's separately required power arrangement. Inspect the connector before energizing the PC and receiver.

Observe Status and Link

Check both option indicators and the panel state after startup. A powered panel without a valid link still requires investigation of the SDL3 path and configuration.

Connector	Shielded RJ45 female
Status indicators	Status and Link

04 Video, touch and USB response

Verify video and touch together

Check the displayed image and touch position across the panel. Recalibrate touch if required after reconnection before enabling normal operator commands.

Exercise panel peripherals

Test the USB, key and LED functions that the installed panel uses. A correct image alone does not verify every channel carried through SDL3.

USB transfer	USB 2.0 through SDL3
Power consumption	4 W
Connector endurance	500 mating cycles

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05 Panel-link handover record

Review diagnostic communication

Confirm that service and diagnostic information remains available through the supported system tools. Investigate intermittent link behavior before accepting the routed cable.

Retain the panel-link record

Save host and receiver identities, cable type and length, tested panel functions and any recalibration result. Keep the SDL3 connection distinct in the network and service drawings.

Technical basis: B&R Automation PC 910 User's Manual, V2.13.

Related product navigation

B&R X20CP1484-1

B&R X20CP1485-1

These are related references, not confirmed substitutes or an automatically approved assembly.