

APTER POWER

COMPLETE PRODUCT INFORMATION

10311/2/1

FSC Dual Key-Switch Assembly

Honeywell 10311/2/1 is a dual key-switch assembly used on an FSC node to provide controlled RESET and FORCE ENABLE contact functions.

PRODUCT SNAPSHOT

BRAND

Honeywell

FAMILY

Fail Safe Controller

PART

10311/2/1

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10311/2/1

PRODUCT OVERVIEW

Honeywell 10311/2/1 is a dual key-switch assembly used on an FSC node to provide controlled RESET and FORCE ENABLE contact functions.

1

Provides keyed FSC reset authorization

2

Provides keyed force-enable authorization

3

Separates the two service functions

4

Mounts in the documented FSC operator circuit

SYSTEM COMPONENTS

FSC node wiring

Reset and force-enable control circuit

Approved cabinet terminals

FSC maintenance procedure

TECHNICAL DATA

PARAMETER	VALUE
Switch functions	RESET; FORCE ENABLE
Switch arrangement	Dual key-switch

PARAMETER	VALUE
System node	FSC
Contact configuration	Change-over contacts

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TECHNICAL NOTE

Wire each change-over contact to the documented FSC circuit and verify that the key can be removed only in the intended operating position.

APPLICATIONS & PRECAUTIONS

COMMON APPLICATIONS

FSC cabinet reset station

Provides keyed FSC reset authorization

Force-enable access panel

Provides keyed force-enable authorization

Safety-system maintenance console

Separates the two service functions

Controlled shutdown troubleshooting

Mounts in the documented FSC operator circuit

PRODUCT PRECAUTIONS

- 1 Verify the complete 10311/2/1 marking and its assigned Fail Safe Controller position before work.
- 2 Isolate the applicable power and field energy before disconnecting 10311/2/1.
- 3 Protect 10311/2/1 connectors and electronic assemblies with approved ESD controls.
- 4 Record the installed wiring, channel assignment and configuration before replacement.
- 5 Match FSC node wiring and Reset and force-enable control circuit to the documented system arrangement.
- 6 Commission 10311/2/1 with controlled status, signal and diagnostic checks.
- 7 Retain the final fsc cabinet reset station functional-test result in the maintenance record.

ENGINEER FAQ

Q1 Does 10311/2/1 match FSC node wiring in a FSC cabinet reset station installation?

Verify the complete 10311/2/1 marking, the documented Fail Safe Controller position and the installed FSC node wiring before fitting the assembly.

Q2 How should 10311/2/1 be wired when it must provides keyed fsc reset authorization?

Isolate the circuit, identify every terminal and reproduce the approved polarity, shield and channel assignment for 10311/2/1; then continuity-test the affected path.

Q3 Which Fail Safe Controller records should be captured before removing 10311/2/1?

Record the as-found wiring, installed position, active configuration and diagnostic state associated with 10311/2/1 before disconnection.

Q4 What controlled test confirms that 10311/2/1 can provides keyed force-enable authorization?

Apply the approved field or simulated stimulus, observe the Fail Safe Controller indication and confirm the intended response without bypassing the normal interlocks.

Q5 Which Reset and force-enable control circuit condition should be checked when 10311/2/1 reports an abnormal state?

Check the Reset and force-enable control circuit supply, seating and connection first, then compare channel diagnostics with the recorded 10311/2/1 baseline.

Q6 Can 10311/2/1 be moved directly into Force-enable access panel without validating FSC maintenance procedure?

No. Confirm the FSC maintenance procedure, revision, connection scheme and Fail Safe Controller configuration before transferring 10311/2/1 to that duty.

Q7 What maintenance evidence is required after 10311/2/1 is used for Safety-system maintenance console?

Retain the nameplate record, corrective action, final diagnostics and a controlled safety-system maintenance console functional-test result for 10311/2/1.

Q8 How should 10311/2/1 be returned to service in Controlled shutdown troubleshooting?

Restore power under control, verify separates the two service functions, exercise the intended signal path and release 10311/2/1 only after the Fail Safe Controller remains in its approved operating state.

SOURCE Honeywell System HINTS September 2022 | FSC node hardware list

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