

FC-UGAO01

Universal Marshalling Analog Output Isolator

CONTROLLED ENGINEERING COPY

Confirm the UMS channel assignment, barrier/isolator type, loop polarity, field grounding and safety application proof-test procedure before energization.

INSTALLATION IDENTITY	REQUIRED VALUE
Complete model	FC-UGAO01
Manufacturer part	FC-UGAO01
Hardware type	Analog output isolator
System family	Honeywell UMS Safety



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01 PRE-INSTALLATION PLAN

- 1

Verify the complete FC-UGAO01 marking and its assigned UMS analog-output isolator position before work.
- 2

Place the connected process and control strategy in the approved maintenance state.
- 3

Isolate the applicable cabinet supply and analog-output field energy before disconnecting conductors.
- 4

Record terminal numbers, channel assignments, polarity, shields and configured ranges before removal.
- 5

Use ESD controls and protect the backplane connector, terminal hardware and coated electronics.

MATCHED HARDWARE

- UMS Safety assembly
- configured analog-output field loop
- approved termination hardware
- Safety Manager project and test record

INSTALLATION CONTROL RECORD

CONTROL ITEM	REQUIRED RECORD
Identity	FC-UGAO01 / FC-UGAO01 recorded
Physical interface	UMS Safety assembly
Companion check	configured analog-output field loop
Functional proof	Performs the UMS analog-output isolator role
Application test	SIL 2 final-element command

02 WIRING & INTERFACE CHECKS

CHECK ITEM	REQUIRED VALUE
Function	Analog output isolator
Safety integrity	SIL 2
Intrinsic safety	IS
Approval status	TUV approved
UMS assembly capacity	16 channels
Assembly size	137 x 140 x 198 mm

SYSTEM CONNECTION RECORD

CONNECTION ITEM	DOCUMENTED ASSIGNMENT
Installed host / carrier	UMS Safety assembly
Companion hardware	configured analog-output field loop
Field connection	approved termination hardware
Primary system function	Performs the UMS analog-output isolator role
Controlled acceptance duty	SIL 2 final-element command

FIELD NOTE

Confirm the UMS channel assignment, barrier/isolator type, loop polarity, field grounding and safety application proof-test procedure before energization.

03 COMMISSIONING WORKFLOW



COMMISSIONING ACCEPTANCE EVIDENCE

EVIDENCE ITEM	ACCEPTANCE CONDITION
Identity	FC-UGAO01 / FC-UGAO01 recorded
Physical interface	UMS Safety assembly
Companion check	configured analog-output field loop
Functional proof	Performs the UMS analog-output isolator role
Application test	SIL 2 final-element command

04 RETURN-TO-SERVICE RECORD

- ☐
- Confirm the installed UMS Safety assembly and carrier arrangement against the approved project.
- ☐
- Restore power in a controlled sequence and clear only diagnostics created by the maintenance activity.
- ☐
- Complete the approved SIL 2 loop proof test and retain the measured result before returning the channel to automatic service.
- ☐
- Confirm the intended process response before normal operation.

VERIFICATION RECORD

PRODUCT IDENTITY	FC-UGAO01
INSTALLED POSITION	Documented Honeywell UMS Safety position
VERIFICATION METHOD	Controlled inspection and functional test
RELEASE RECORD	Final diagnostic state retained before service

RELATED PRODUCTS ON APTER POWER

MODEL	SYSTEM ROLE	APTER POWER PAGE
10018-E-1	Related industrial automation product	View 10018-E-1 page
51305072-600	Related industrial automation product	View 51305072-600 page
51304831-100	Related industrial automation product	View 51304831-100 page
51402573-250	Related industrial automation product	View 51402573-250 page
10020-1-2	Related industrial automation product	View 10020-1-2 page
51405098-100	Related industrial automation product	View 51405098-100 page
51304518-150	Related industrial automation product	View 51304518-150 page
51303979-550	Related industrial automation product	View 51303979-550 page

SOURCE IDENTIFIERS

Honeywell System Integrator Technical Updates
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