

FC-DCOM-232/485

FC-DCOM-232/485 Communication Module

CONTROLLED ENGINEERING COPY

Honeywell FC-DCOM-232/485 is a Safety Manager communication module with RS-232 and RS-485/422 interfaces. It is powered by the Control Processor and supports the documented transparent, FMO, FM1 and Manchester communication modes.

INSTALLATION IDENTITY	REQUIRED VALUE
Complete model	FC-DCOM-232/485
Manufacturer	Honeywell
System family	Honeywell Safety Manager
Record scope	Installation, application and verification

1

PLAN

2

ISOLATE

3

CONNECT

4

CONFIGURE

5

TEST

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01 PRE-INSTALLATION PLAN

1

Confirm FC-DCOM-232/485 on the module and engineering record.

2

Place the Safety Manager application and serial peer in the approved maintenance state.

3

Record interface type, communication mode, data rate, pinout and termination.

4

Isolate the Control Processor and field interface before disconnection.

5

Verify the 5 V DC host supply and documented current limit.

MATCHED HARDWARE

- Honeywell FC-DCOM-232/485 with exact visible identity
- Matched Honeywell Safety Manager host
- Documented power, field and communication interfaces
- Approved configuration and acceptance record

INSTALLATION CONTROL RECORD

CONTROL ITEM	REQUIRED RECORD
Identity	FC-DCOM-232/485 recorded
Physical interface	Installed terminals, ports and signals matched to the as-found record
Configuration	Approved Honeywell hardware and system configuration restored
Functional proof	Controlled test confirms serial communication between Safety Manager and approved external devices

02 WIRING & INTERFACE CHECKS

CHECK ITEM	REQUIRED VALUE
Product type	Safety Manager communication module
Model	FC-DCOM-232/485
System	Honeywell Safety Manager
Supply	5 V DC +/-5% from the Control Processor
Maximum current	500 mA
RS-232 standard	EIA/TIA-232
RS-232 data rate	0-250 kbaud
RS-485/422 standard	EIA/TIA-485-A
RS-485/422 data rate	0-2 Mbaud
Communication modes	Transparent, FMO, FM1 and Manchester
Mounting	DIN rail TS32 or TS35 x 7.5
Approvals	CE, TUV, UL and FM as documented
Related type	FS-DCOM-232/485

RELATED PRODUCT PAGES

1 Siemens 6SL3224-0BE31-1UA0

2 Siemens 6SE7033-5GJ84-1JC0

3 Siemens 6SE6440-2UD31-1CA1

4 Siemens 39EAMCBN-A5E00282025-05

5 Siemens 39VIMCCN-A5E00282175-07

6 Siemens 6SL3210-5FB10-4UF1

7 Siemens C98043-A7105-L4-9

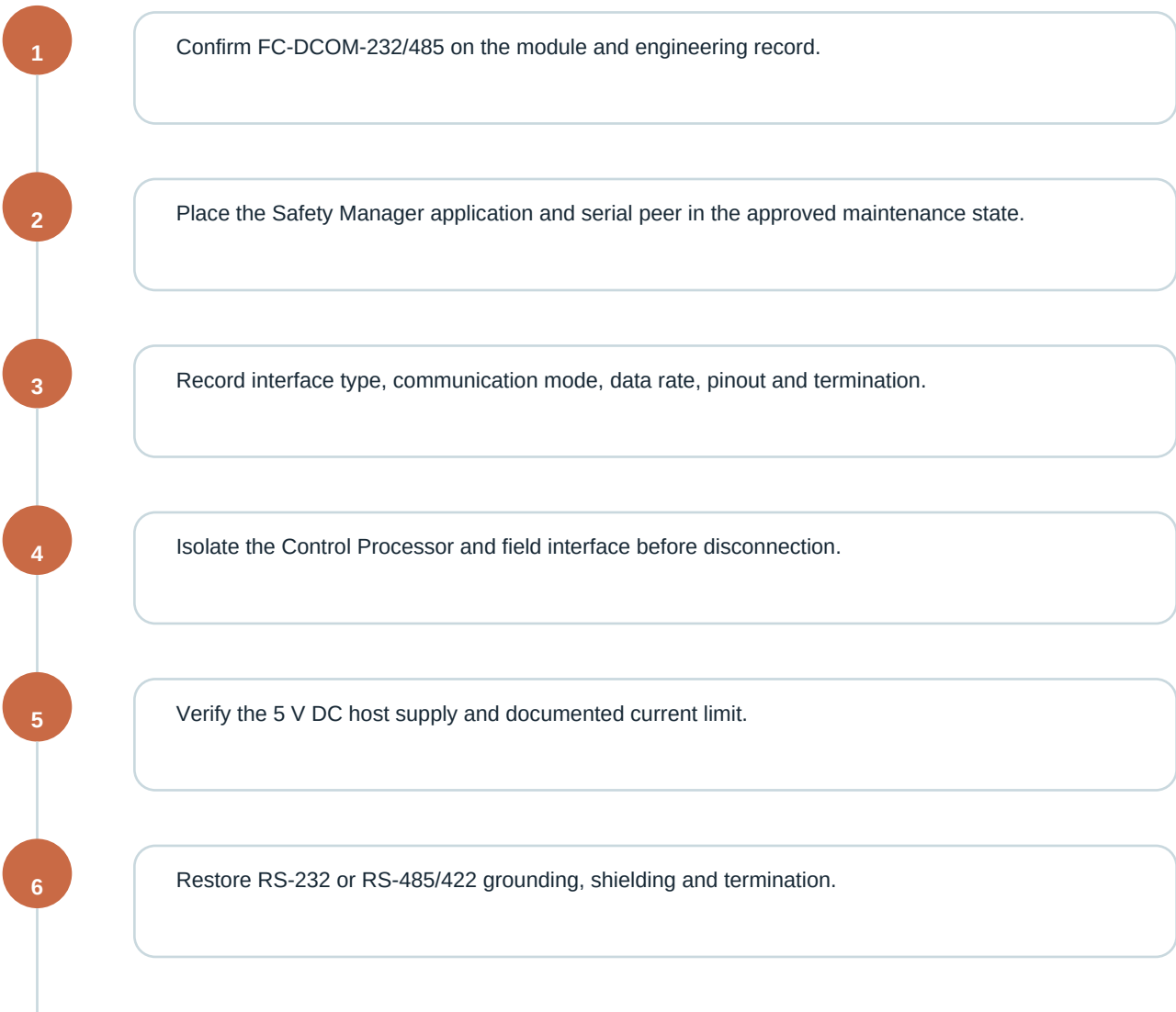
8 Siemens 6SE7090-0XX84-3DB1

9 Siemens 6SL3352-1AE37-5BA1

FIELD NOTE

Confirm FC-DCOM-232/485, its exact host, installed position, interfaces, configuration, diagnostics and controlled acceptance evidence before release.

03 COMMISSIONING WORKFLOW



COMMISSIONING ACCEPTANCE EVIDENCE

EVIDENCE ITEM	ACCEPTANCE CONDITION
Identity	FC-DCOM-232/485
Physical interface	Installed terminals, ports and signals matched to the as-found record
Configuration	Approved Honeywell hardware and system configuration restored
Functional proof	Controlled test confirms serial communication between Safety Manager and approved external devices

04 RETURN-TO-SERVICE RECORD

- ☐ Verify the 5 V DC host supply and documented current limit.
- ☐ Restore RS-232 or RS-485/422 grounding, shielding and termination.
- ☐ Review Safety Manager communication and module diagnostics.
- ☐ Exercise the serial path end to end before release.

VERIFICATION RECORD

PRODUCT IDENTITY	FC-DCOM-232/485
INSTALLED POSITION	Documented Honeywell Safety Manager position
VERIFICATION METHOD	Controlled inspection and functional test
RELEASE RECORD	Final diagnostic state retained before service

FUNCTIONAL ACCEPTANCE CHECKLIST

- ☐ Verify the 5 V DC host supply and documented current limit.
- ☐ Restore RS-232 or RS-485/422 grounding, shielding and termination.
- ☐ Review Safety Manager communication and module diagnostics.
- ☐ Exercise the serial path end to end before release.

SOURCE IDENTIFIERS

Honeywell Safety Manager Hardware Reference EP-SM.MAN.6284 R162 | Official Honeywell manufacturer publication