

INDUSTRIAL AUTOMATION PRODUCT

FC-DCOM-232/485

FC-DCOM-232/485 Communication Module

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.

CONTROLLED ENGINEERING COPY

IDENTITY	VERIFIED VALUE
Manufacturer	Honeywell
System family	Honeywell Safety Manager
Part number	FC-DCOM-232/485
Document status	Controlled product and system reference

DOCUMENT SCOPE

Exact article identity, official technical data, host matching, installation checks, applications, precautions and controlled acceptance evidence.

MODEL-SPECIFIC ENGINEERING NOTE

Install FC-DCOM-232/485 only in the documented Honeywell Safety Manager position and preserve its exact wiring, interfaces and configuration. After controlled energization, verify diagnostics and serial communication between Safety Manager and approved external devices before release.

System Role and Architecture

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.

FUNCTION 1
RS-232 interface up to 250 kbaud

FUNCTION 2
RS-485/422 interface up to 2 Mbaud

FUNCTION 3
Multiple documented communication modes

FUNCTION 4
Control-Processor-supplied 5 V DC power

RELATED APTER POWER PAGES

1 Siemens 6SL3246-0BA22-1FA0

2 Siemens 6SL3210-1PE21-8AL0

3 Siemens 6SL3210-1PE21-1AL0

4 Siemens A5F00133580-014-C98043-A7100

5 Siemens C98043-A7005-L1-6RY1704-0AA00

6 Siemens 6SL3246-0BA22-1PA0-V-4-7

7 Siemens C98043-A7042-L1-6

8 Siemens 6SL3310-1GE35-0AA3

9 Siemens 6SL3210-1PE31-8AL0

MATCHED SYSTEM COMPONENTS

NO.	DOCUMENTED COMPONENT / ROLE
01	Honeywell Safety Manager
02	Matched Honeywell Safety Manager host and field interface
03	Documented power, signal, communication and grounding connections
04	Approved configuration, diagnostics and acceptance record

SYSTEM INTEGRATION RECORD

INTEGRATION ITEM	DOCUMENTED ROLE
Host identity	Honeywell Safety Manager
Interface role	serial communication between Safety Manager and approved external devices
Field / power context	documented Honeywell Safety Manager installed position
Commissioning evidence	Identity, wiring, configuration, diagnostics and controlled response recorded

INSTALLATION AND CONNECTION CHECKS

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.

Technical Specifications

Technical values below are limited to the named product record and directly applicable manufacturer documentation.

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

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9 Siemens 6SL3210-1PE31-8AL0

ENGINEERING BOUNDARY

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

PRE-INSTALLATION CHECKS

- 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.

Applications and Engineering Context

Safety serial device integration

Connects approved serial devices to a Safety Manager communication path.

RS-232 maintenance link

Uses the documented EIA/TIA-232 interface and configured data rate.

RS-485/422 multidrop link

Supports the approved differential serial topology and termination.

Communication-module replacement

Restores port mode, rate, wiring and end-to-end message verification.

TECHNICAL NOTE

Install FC-DCOM-232/485 only in the documented Honeywell Safety Manager position and preserve its exact wiring, interfaces and configuration. After controlled energization, verify diagnostics and serial communication between Safety Manager and approved external devices before release.

MODEL-SPECIFIC ACCEPTANCE EVIDENCE

CHECK	ACCEPTANCE CONDITION
Identity	FC-DCOM-232/485 recorded
Host / carrier	Honeywell Safety Manager
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

IMPORTANT NOTICE

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

Related Products and Source Record

Brand-qualified Apter Power navigation links are provided for system planning only; manufacturer evidence remains the named source record.

RELATED PRODUCTS ON APTER POWER

1

Siemens 6SL3246-0BA22-1FA0

View Siemens 6SL3246-0BA22-1FA0 page

2

Siemens 6SL3210-1PE21-8AL0

View Siemens 6SL3210-1PE21-8AL0 page

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Siemens 6SL3210-1PE21-1AL0

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9

Siemens 6SL3210-1PE31-8AL0

View Siemens 6SL3210-1PE31-8AL0 page

MANUFACTURER SOURCE RECORD

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

APTER POWER SALES TEAM

WHATSAPP / PHONE

+86 180 3023 5313

EMAIL

sales13@apterpower.com

WEBSITE

www.apterpower.com



RECOMMENDATION SCOPE

These links support product navigation and comparison. Technical values in this document are sourced only from the manufacturer record above.