Allen-Bradley

PCMK Communication Card

Catalog Number 1784-PCMK

User Manual

If you connect to Allen-Bradley	You need[3]
PLC-2 Family Processors (Not supported with cardbus sockets)	PCM2/B Cable Assembly (cat. no. 1784-PCM2/B)
SLC 5/01 Processors SLC 5/02 Processors SLC 5/03 Processors 1747-AIC link coupler for DH485 Other DH485 devices with an RJ45 jack	PCM4/B Cable Assembly (cat.no. 1784-PCM4/B)
PLC-3 Family Processors[1] PLC-5 Family Processors PLC-5/250 Classic Processors	PCM5/B Cable Assembly (cat. no. 1784-PCM5/B)
SLC 5/04 Processors and PLC-5 Enhanced Processors ControlNet PLC-5 Family Processors[2] Other DH+ devices[2] ControlLogix 1756-DHRIO Module	PCM6/B Cable Assembly (cat. no. 1784-PCM6/B) or 1784-PCM5/B cable with CP7 adapter
Remote I/O Network (For demo only)	PCMS/A Cable Assembly (cat. no. 1784-PCMS/A)

(1) Connection is made via DH+ through 1775-S5, SR5

(2) Connection can be made with a PCM5/B cable using an 8-pin mini-DIN connector

(3) All cables contain captive hardware to support the use of positive-locking connections.

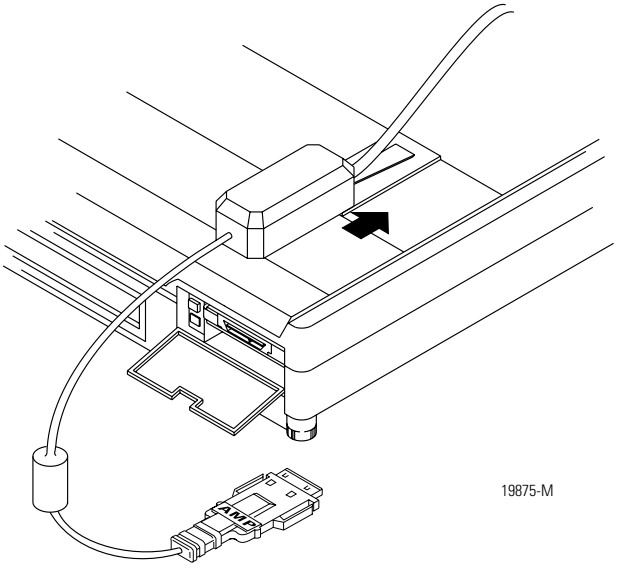
Connect the Cable

ATTENTION

The PCMK card does not have a termination resistor; use caution when connecting this PCMK card at the end of a DH+ and DH485 link. If your application software prompts you to set termination of the PCMK card, set this field to OFF.

Connect the cable to the PCMCIA slot.

1. Slide the cable's electronics pod onto the wedge on the computer.



Environmental Specifications

Attribute:	Value:
Vibration	IEC 60068-2-6 (Test Fc, Operating): 15 g @ 10…200 Hz
Storage Temperature	IEC 60068-2-1 (Test Ab, Unpackaged Non-operating Cold),\ IEC 60068-2-2 (Test Bb, Unpackaged Non-operating Dry Heat), IEC 60068-2-14 (Test Na, Unpackaged Non-operating Thermal Shock): -20…65 °C (-4…149 °F)
Surge Transient Immunity	IEC 61000-4-5: ±2 kV line-earth (CM) on communications ports

Certifications

Certification[1] (When product is marked):	Value:
UR	UL Recognized Component Industrial Control Equipment. See UL File E65584.
C-Tick	Australian Radiocommunications Act, compliant with: AS/NZS CISPR 11; Industrial Emissions
CE	European Union 89/336/EEC EMC Directive, compliant with: EN 50082-2; Industrial Immunity EN 61326; Meas./Control/Lab., Industrial Requirements EN 61000-6-2; Industrial Immunity EN 61000-6-4; Industrial Emissions EN 61131-2; Programmable Controllers (Clause 8, Zone A & B)

(1) See the Product Certification link at http://www.ab.com for Declarations of Conformity, Certificates, and other certification details.

Cable Specifications

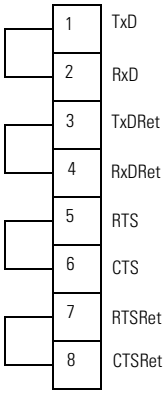
ATTENTION

Communications cable length must be less than 10 meters (32.81 feet).

1784-PCM2/B, 1784-PCM4/B, 1784-PCM5/B, 1784-PCM6/B	
Total length of cable	3.16 m (10.4 ft)[1]
Length from PCMK card connector to pod	17.8 cm (7 in.)
Length from pod to processor	2.8 m (9.2 ft)

(1) Refer to Industrial Automation Wiring and Grounding Guidelines, publication 1770-4.1.

Loopback Connector Pin Assignments



PCM2 Cable Assembly
1784-PCM2

The PCM2 cable assembly uses the loopback connector for its diagnostic loopback test. The PCM5 and PCM6 cable assemblies have a loopback test but do not have a loopback connector. In addition, the PCM4 cable assembly, used for DH485 communications, has neither a loopback connector nor a diagnostic loopback test.

The PCMS cable assembly, used for remote I/O communications, has no loopback connector and does not do a loopback test.

Numerics

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