

Series PCD1 / PCD2 Programmable Controllers

General notes:

1. For PCD4.C..., M..., T... the designation may be followed by Z05.
2. Each product designation may be followed by Zxx where xx are digits for customers specifics product Design.
3. 'x', 'xx' or 'xxx' in Type Designation are digits to express product with variant equipment of components.

PROCESSOR and SUPPLY MODULES

PCD1.M110 Base unit for 4 I/O modules
PCD1.M120 Base unit for 4 I/O modules
PCD1.M125 Base unit for 4 I/O modules
PCD1.M130 Base unit for 4 I/O modules
PCD1.M135 Same as PCD1.M125 but with Socket for CR 2032 lithium battery
PCD1.M137 Base unit for 4 I/O modules
PCD1.T240 Base unit for 4 I/O modules

PCD2.M110 Base unit for 8 I/O modules
PCD2.M120 Base unit for 8 I/O modules
PCD2.M150 Base unit for 8 I/O modules
PCD2.M170 Base unit for 8 I/O modules
PCD2.M127 Base unit for 8 I/O modules
PCD2.M157 Base unit for 8 I/O modules
PCD2.M177 Base unit for 8 I/O modules
PCD2.M480 Base unit for 8 I/O modules
PCD2.M487 Base unit for 8 I/O modules

PCD2.M5xxx Basic Unit for 8 I/O modules

MEMORY MODULES

PCD7.R4xx Flash Memory Backup module
PCD2.R6000 Base module with slot for SD flash memory cards
(up to 4 modules in I/O slots 0 to 3 on a CPU)

EXTENSION MODULES

PCD2.C10x Extension unit for 8 I/O modules
.C15x Extension unit for 4 I/O modules
PCD2.C2000 Extension for 8 I/O modules
.C1000 Extension for 4 I/O modules

DIGITAL INPUT/OUTPUT MODULES

PCD2.E11x 8 inputs 24V DC sink/source
.E16x 16 inputs 24V DC sink/source
.E61x 8 inputs 24V DC opto isolated
.E500 6 inputs 115-230VAC opto isolated
.E520 6 inputs 24VAC opto isolated
.E523 6 inputs 48VAC opto isolated
.A2xx 4 relay outputs 230V / 2A with VDR/RC prot.
.A220 6 relay outputs 230V / 2A
.A250 8 relay outputs 48V / 2A
.A300 6 transistor outputs 24V/2A
.A400 8 transistor outputs 24V/0.5A
.A410 8 transistor outputs 24V/0.5A, opto isolated
.A46x 16 transistor outputs 24V/0.5A

.B100 8 combined inputs/outputs, 24V /24V / 0.5A

ANALOGUE INPUT/OUTPUT MODULES

PCD2.W10x 4 analogue inputs (0..10V,+/-10V, 0..20mA,+/-20mA)
.W11x 4 analogue inputs (Pt100, Ni100, Pt1000, Ni1000)
.W2xx 8 analogue inputs (0..10V, 0..20mA, Pt1000)
.W3xx 8 analogue inputs (0..10V, 0..20mA, Pt/Ni100, Pt1000)
.W3x5 7 analogue inputs with galvanic separation (0..10V, 0..20mA, +/-10V)
.W4xx 4 analogue outputs (0..10V, 0..20mA)
.W5xx 4 analogue in/outputs (0..10V, 0..20mA)
.W6xx 4 analogue outputs (0..10V, +/-10V, 0..20mA)
.W6x5 6/4/6 analogue outputs with galvanic separation (0..10V, 0..20mA, +/-10V)
.W7x0 1/2 analogue weighing systems for up to 4 resp. 6 weighing cells
.W745 4 analogue for sensor types RTD Thermocouple

COMBINED DIGITAL / ANALOGUE MODULES

PCD2.G400 4 I/O modules combined from:
.W200/.W400.A400.E110
.G410 4 I/O modules combined from:
.E610 .A200 .W410 .W2...

COUNTING AND MOTION CONTROL MODULES

PCD2.H1xx Counter module 20 / 100kHz
.H150 Serial synchronous interface (SSI) module

SERIAL INTERFACE MODULES

PCD7.F1xx Interface (RS422/485, RS232, 20mA CL opto isolated, RS485 opto isolated)
including: PCD7.F121 Serial Interface RS232
PCD7.F180 Serial Interface MP-Bus
PCD2.F2100 RS 422 / RS 485 & optional PCD7.F1xx
PCD2.F2210 RS 232 & optional PCD7.F1xx
PCD2.F2810 Belimo MP-Bus & optional PCD7.F1xx

FLASH CARDS

PCD7.R500 Back-up flash card
PCD7.R550M04 4 MByte flash card with 3 MByte file system
PCD7.R551M04 4 MByte flash card with 3 MByte file system
PCD7.R560/ 2 MByte flash card with BACnet firmware
PCD7.R561
PCD7.R-CF1024 Compact flash card 1024MB
PCD7.R-CF128 Compact flash card 128MB
PCD7.R-CF2048 Compact flash card 2048MB
PCD7.RD4-SD SD card holder module for PCD7.D4xx micro browser VGA panels

COMMUNICATION MODULES

PCD2.F5xx Real Time Clock (RTC), 7-segment display, serial ports, Interface for display
PCD7.D160
.T500 MP-Bus (Belimo)

PCD7.F180 MP-Bus (Belimo)
.F700 Profibus FMS module
.F750 Profibus DP Master module
.F77x Profibus DP Slave module
.F80x LON module
.F65x Ethernet module
T500 MP-Bus (Belimo)
PCD7.F7400 CAN communication extension module

PCD7.F7500 Profibus DP Master communication extension module

MODEM MODULES

PCD2.T813 Analogue modem 33.6 kbps
PCD2.T850 Digital modem ISDN-TA

BUS COMPONENTS FOR RS485 NETWORKS

PCD7.T1xx Repeater RS485, Converter RS232 & RS485, Termination box

TEXT TERMINALS

PCD7.D16x Terminal, direct mounting on PCD1/PCD2
PCD7.D23x Graphics Terminal with single knob control or function keys

ACCESSORIES

PCD2.K106 Bus extension cable
PCD2.K010 Bus extension connector
PCD7.D3100e Embedded display module

Series PCD4 Programmable Controllers

See Note 1 and 2 at the beginning of this Appendix.

CPU BUS MODULES (for Power Supply and CPU)

PCD4.C1xx With 1 serial interface 20mA CL, RS232, RS422/485
.C340 With 3 serial interfaces and 4 I/O modules

INPUT/OUTPUT BUS MODULES

PCD4.C22x For 2 I/O modules
.C260 For 6 I/O modules

PROCESSOR MODULES

PCD4.M110 With PGU
.M120 With PGU + 1 additional serial interface
.M140 With PGU + 3 additional serial interfaces
M170 With PGU + 3 additional serial interfaces
.M170Fxx as M170 by adding PCD7.F700, F750, F77x, F65x (Comm. Module)
.M125 With PGU + 1 additional serial interface
.M145 With PGU + 3 additional serial interfaces
.M445 With PGU + 3 additional interfaces and PROFIBUS co-processor
PCD4.U100 Upgrade kit to replace PCD4 CPU by new PCD2.M5 / PCD3.M5 CPU

POWER SUPPLY MODULES

PCD4.N200 24VDC; 5V/4A
.N210 24VDC; 5V/4A; +15V/0.5A; -15V/0.45A

PUBLIC MEMORY MODULES

PCD7.R1xx 2 sockets for EPROM or RAM (max 256kByte), accumulator, HW clock,
RAM for F/T/C/R media
PCD7.R2xx 2 sockets for EPROM or RAM, equipped with RAM 256kByte, accumulator,
HW clock, RAM for F/T/C/R media
PCD7.R3xx 2 sockets for EPROM or RAM (max.428kByte), accumulator, HW clock,
RAM for F/T/C/R media

DIGITAL INPUT/OUTPUT MODULES

PCD4.E1xx 16 inputs 24V DC
.E600 16 inputs 24V DC opto isolated

- .A200 8 relay outputs 230V / 2A with VDR/RC protection
- .A250 16 relay outputs 230V / 2A
- .A350 8 transistor outputs 24V / 2A
- .A400 16 transistor outputs 24V / 0.5A
- .A410 16 transistor outputs 24V / 0.5A opto isolated
- .B900 16 inputs 24V DC and 16 transistor outputs 24V / 0,5A

ANALOGUE INPUT/OUTPUT MODULES

- PCD4.W100 4 inputs + 2 outputs 12 Bit (range selected with PCD7.Wxxx modules)
- .W300 8 inputs 12 Bit + sign (range selected with PCD7.Wxxx modules)
- .W400 8 outputs 8 Bit 0..10V/0..20mA
- .W500 8 inputs/outputs 12 Bit, galvanic separated (range selected with PCD7.Wxxx modules)
- .W600 8 outputs 12 Bit, galvanic separated (range selected with PCD7.Wxxx modules)

ANALOGUE RANGE MODULES

- PCD7.W1xx 4 inputs (0..10V, 0..20mA, Pt1000)
- PCD7.W2xx 1 output (+/-10V, 0..10V, 0..20mA, 4..20mA)
- PCD7.W3xx 2 outputs (+/-10V, 0..10V, 0..20mA, 4..20mA)

VARIO PLUS MODULES

- PCD7.L97x VARIO-PLUS reduced
- PCD7.L98x VARIO-PLUS standard
- PCD7.L99x VARIO-PLUS extended

Series PCD7 Text Terminals

See Note 1 and 2 at the beginning of this Appendix.

- PCD7.D170 Terminal via serial interface RS232
- PCD7.D202 Terminal via serial interface RS232
- PCD7.D250 Terminal via serial interface RS232
- PCD7.D23x Graphics Terminal with single knob control, 10, resp. 20 function keys

Series PCS1 Compact Controllers

See Note 1 and 2 at the beginning of this Appendix.

- PCS1.C8xx (xxxx) Base unit including 36 Digital +Analog I/O, 4 N.O + 4 SPDT Relay outputs
- PCS1.C6xx (xxxx) Base unit as PCS1.C8xx with less amount of I/O
- PCS1.C4xx (xxxx) Base unit as PCS1.C8xx with less amount of I/O



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