Spare Component Parts for CPCx, CPC V1 and CPC V2 (25A and 50A)

General Notes:

Where at all possible, please quote the component Serial Number when ordering replacement PCB's as this allows the positive identification of the assembly. Alternatively, the main controller SN can be provided.

Micha serial numbers take the form MDCyy-nnnnn, where 'yy' is the year of manufacture, and 'nnnnn' is a 5-digit sequential number.

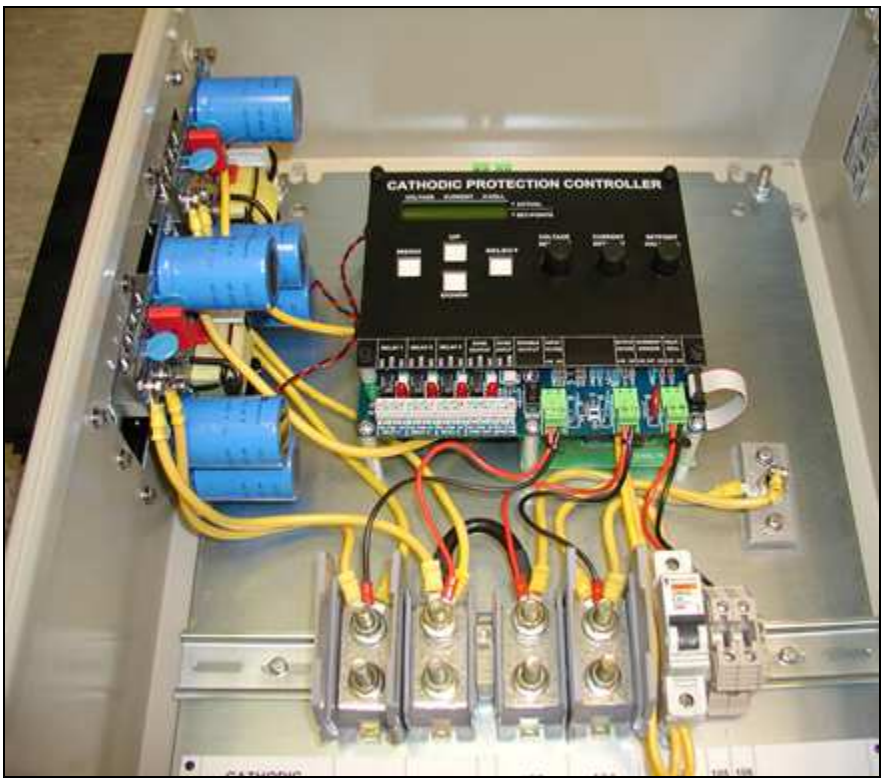
Control boards will be supplied with the latest version of software available. If a specific version is required,

e.g. "802014 V1.2", this should be specified at the time of enquiry or order.

Refer to the individual datasheets for details of each PCB assembly.

CPCx 25A and CPCx 50A				Manufactured: 2003 - 2007
PN	**Description**	**Qty (25A)**	**Qty (50A)**	**Software**
400 960	CPCx Control PCB Assembly (Voltage to be specified)	1	1	801052 (all versions)
400 946	CPCx 25A Power PCB Assembly	1	2	
400 838	CPCx Sensor PCB Assembly	1	1	
600 441	CPCx Protection Diode Assembly	1 or 2	1 or 2	
001146	MCB ABB S200 1-pole Type-C 32A	2		
001150	MCB ABB S200 1-pole Type-C 63A		2	

Note: System Voltage **must** be specified when ordering PN 400960



Above: CPCx 50A

Note: Early versions had a single Zener diode block (PN501267), later versions had two.

We can no longer guarantee availability of matching parts for the CPCx range but will do our best to supply equivalent parts.
We recommend that existing installations be upgraded to the latest version of CP Controllers.

Version 1 of the **CPC25A** and **CPC50A** range was introduced in 2007 and included a built-in RS232 9-way D-type port.

CPC25A and CPC50A (V1)				Manufactured: 2007 - 2013
PN	**Description**	**Qty (25A)**	**Qty (50A)**	**Software**
401 307	CPC25/50A 12-24V Control PCB Assembly	1	1	801378 (all versions)
401 308	CPC25/50A 24-48V Control PCB Assembly	1	1	
401 370	CPC25/50A Sensor PCB Assembly	1	1	
401 313	CPC25/50A Protection PCB Assembly	1	1	
401 311	CPC25A Power PCB Assembly	1	2	
600 615	CPC Protection Dual Zener Diode Assembly	1	1	
001146	MCB ABB S200 1-pole Type-C 32A	2		
001150	MCB ABB S200 1-pole Type-C 63A		2	

Note: PN 401307 supplied with 12V systems but can be used in 24V system
PN 401308 supplied as standard for both 24V and 48V systems

Above: Typical CPC50A V1
Note: RS232 port (9-pin D-Type) included as standard.

CPC25A and CPC50A V2

Manufactured: 2014 -

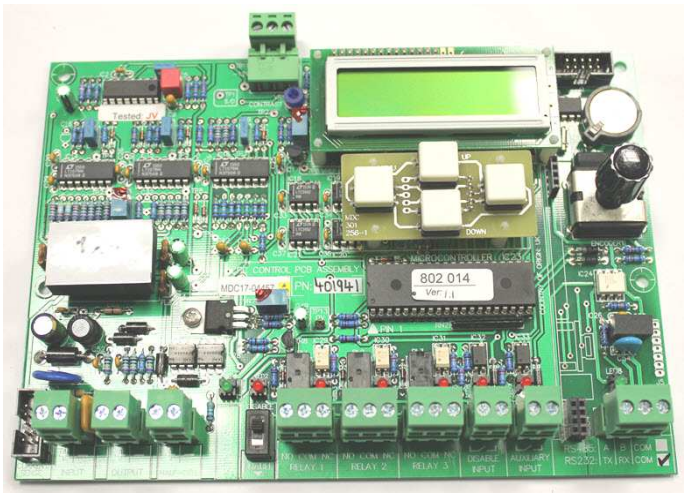
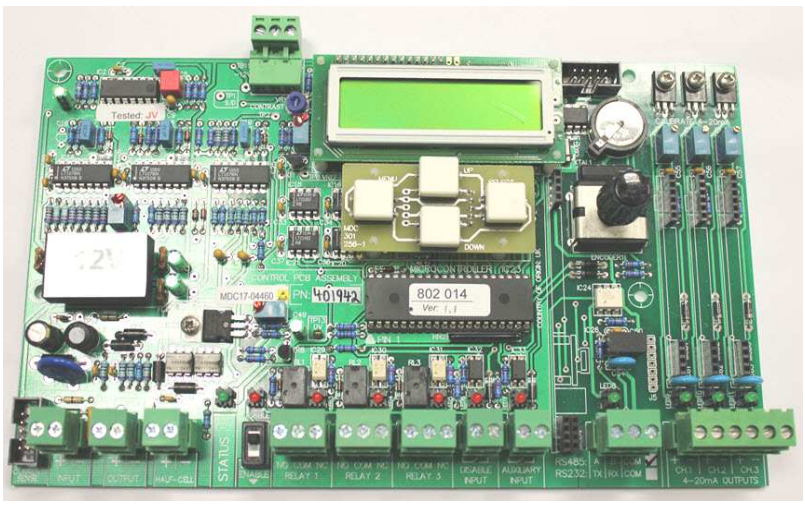
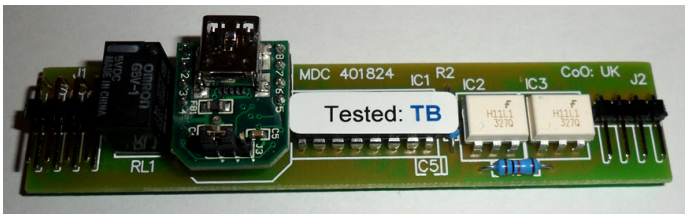
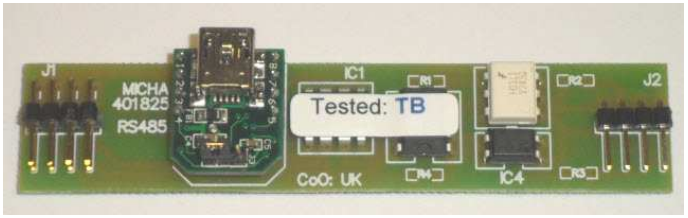
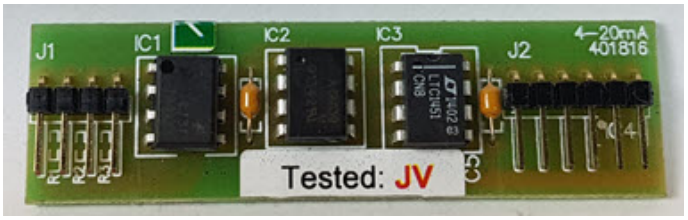
Version 2 of the CPC range was introduced in 2014. The design was changed to include plug-in options to offer the choice of either RS232 and USB, or RS485 and USB, communication modules. A separate control base PCB was also designed to allow three optional 4-20mA transducers to be fitted

Replacement PCB assemblies can be ordered either on their own, or as a combined set to include the different options. The control base boards are system voltage dependent, the plug-in options are not.

PN	Description	Qty (25A)	Qty (50A)	Software
401 941	PCBA CPC25/50A **12V** Control V2 Base	1	1	802014 (all versions)
401 942	PCBA CPC25/50A **12V** Control & Transducer V2 Base	1	1	
402 016	PCBA CPC25/50A **24V** Control V2 Base	1	1	
402 018	PCBA CPC25/50A **24V** Control & Transducer V2 Base	1	1	
401 972	PCBA CPC25/50A **36V** Control V2 Base	1	1	
402 017	PCBA CPC25/50A **48V** Control V2 Base	1	1	
402 019	PCBA CPC25/50A **48V** Control & Transducer V2 Base	1	1	
401 824	USB/RS232 Module	1		
401 825	USB/RS485 Module			
401 816	4-20mA Module	3		
401 370	CPC25/50A Sensor PCB Assembly	1	1	
401 313	CPC25/50A Protection PCB Assembly	1	1	
401 311	CPC25A Power PCB Assembly	1	2	
600 615	CPC Protection Dual Zener Diode Assembly	1	1	
001146	MCB ABB S200 1-pole Type-C 32A	2		
001150	MCB ABB S200 1-pole Type-C 63A		2	

	Sets of Boards	PCB Assemblies in Set			
Set PN	Description of Set	Base	RS232	RS485	4-20mA
401 901	PCBA CPC25/50A **12V** Control V2 RS232	401 941	401 824	-	-
401 902	PCBA CPC25/50A **12V** Control V2 RS232 & 4-20mA	401 942	401 824	-	3 x 401 816
401 903	PCBA CPC25/50A **12V** Control V2 RS485	401 941	-	401 825	-
401 904	PCBA CPC25/50A **12V** Control V2 RS485 & 4-20mA	401 942	-	401 825	3 x 401 816
402 008	PCBA CPC25/50A **24V** Control V2 RS232	402 016	401 824	-	-
402 010	PCBA CPC25/50A **24V** Control V2 RS232 & 4-20mA	402 018	401 824	-	3 x 401 816
402 012	PCBA CPC25/50A **24V** Control V2 RS485	402 016	-	401 825	-
402 014	PCBA CPC25/50A **24V** Control V2 RS485 & 4-20mA	402 018	-	401 825	3 x 401 816
402 009	PCBA CPC25/50A **48V** Control V2 RS232	402 017	401 824	-	-
402 011	PCBA CPC25/50A **48V** Control V2 RS232 & 4-20mA	402 019	401 824	-	3 x 401 816
402 013	PCBA CPC25/50A **48V** Control V2 RS485	402 017	-	401 825	-
402 015	PCBA CPC25/50A **48V** Control V2 RS485 & 4-20mA	402 019	-	401 825	3 x 401 816

CPC V2 - PCB Assembly Identification

	**Base PCBA** 401 941 402 016 401 972 402 017
	**Base PCBA** 401 942 402 018 402 019
	**RS232 Module** 401 824
	**RS485 Module** 401 825
	**4-20mA Module** 401 816

Above: CPC25A V2 with 3 x 4-20mA Transducer option in Painted Steel enclosure.