

Spare Component Parts for CPC10A V1 and V2

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.

CPC10A V1		Manufactured: 2007 - 2012	
PN	Description	Software	Notes
401 295	CPC10A 12V Control/Power PCB Assembly	801378 (all versions)	Only RS232 port (9-way D-Type) available 26 x 14 x 8cm 0.7kg (approx.)
401 301	CPC10A 12V Control/Power RS232 & Data Logger		
401 296	CPC10A 24V Control/Power PCB Assembly		
401 302	CPC10A 24V Control/Power RS232 & Data Logger		
401 707	CPC10A 48V Control/Power PCB Assembly		
401 708	CPC10A 48V Control/Power RS232 & Data Logger		
401 706	CPC10A 48V Power Inductor PCB Assembly		
	<i>PN 401706 only required with 48V version.</i>		

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



Above: CPC10 V1 (PN 401301) fitted to a mounting plate

V1 PCB assemblies available as spares only. V2 is recommended as a compatible replacement.



*Above: CPC10 48V V1 with no RS232 port.
PN 401706 shown top left*



CPC10A V2 Manufactured: 2013 -

Version 2 of the CPC10 range was introduced in 2013. 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

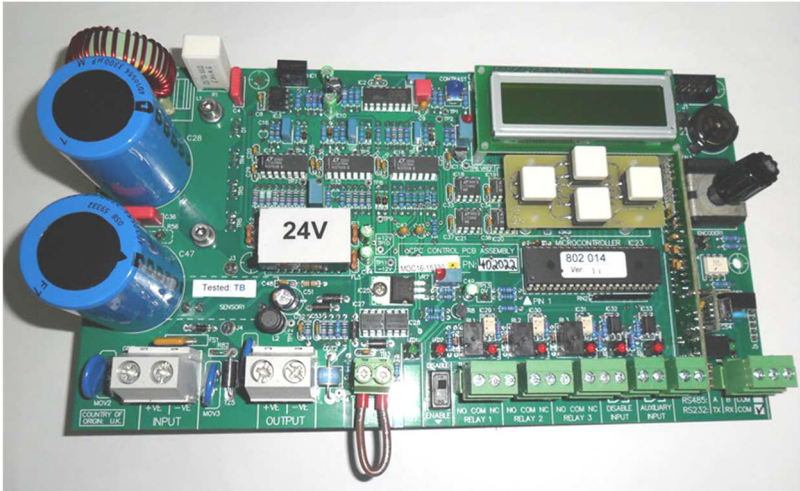
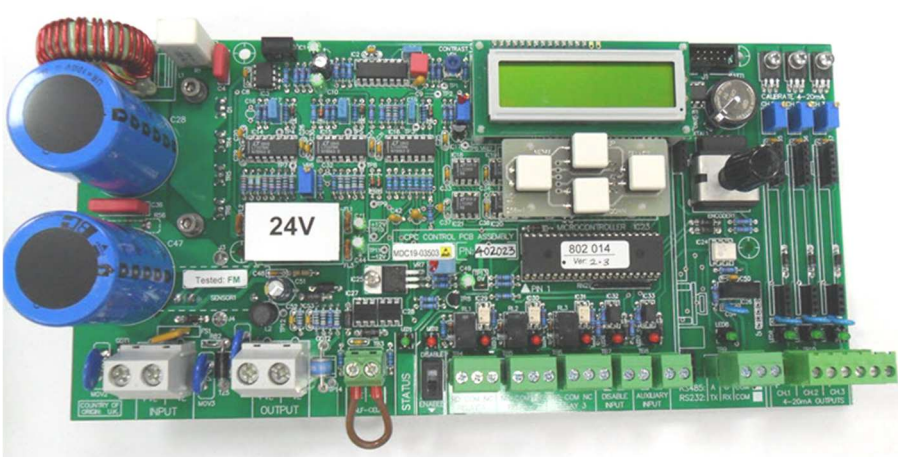

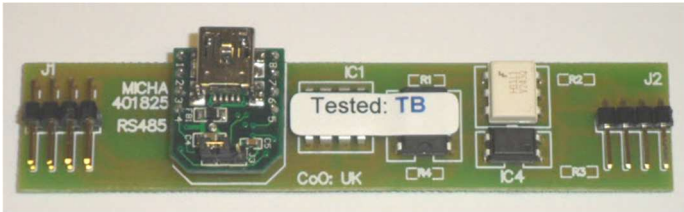
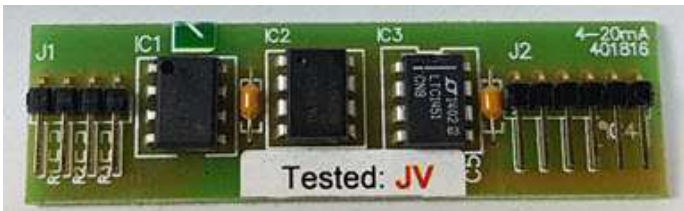
Due to low demand, no 48V version of the CPC10A has been produced.

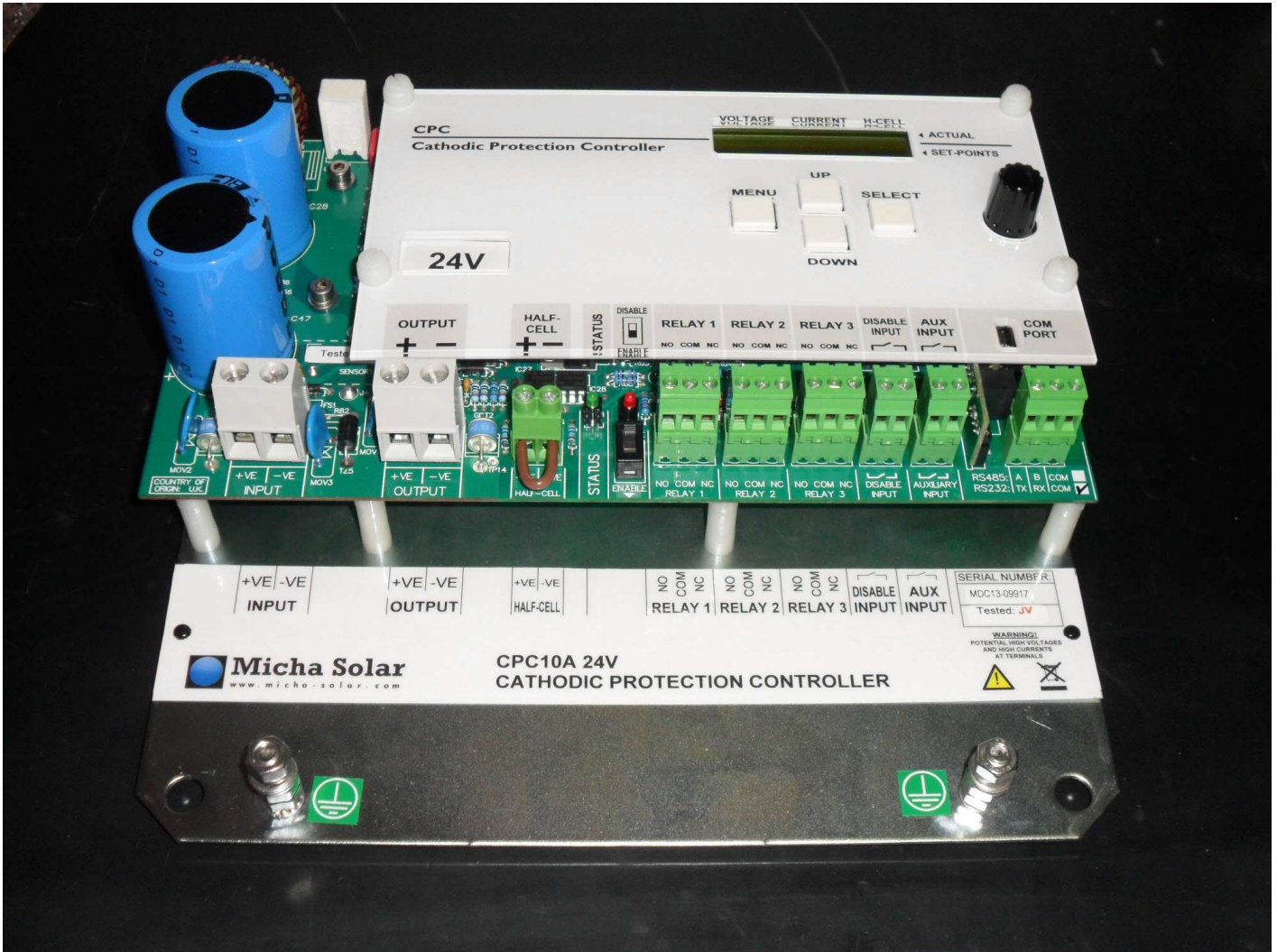
Replacement PCB assemblies can be ordered either on their own, or as a combined set to include the different options. The control base boards are system voltage dependent, the plug-in options are not.

PN	Description	Software
402 020	PCBA CPC10A 12V Control V2 Base	802014 (all versions)
402 021	PCBA CPC10A 12V Control & Transducer V2 Base	
402 022	PCBA CPC10A 24V Control V2 Base	
402 023	PCBA CPC10A 24V Control & Transducer V2 Base	
	Plug-in Modules:	
401 824	USB/RS232 Module	
401 825	USB/RS485 Module	
401 816	4-20mA Module	

Sets of Boards		PCB Assemblies in Set			
Set PN	Description of Set	Base	RS232	RS485	4-20mA
401 829	PCBA CPC10A 12V Control V2 RS232	402 020	401 824	-	-
401 830	PCBA CPC10A 12V Control V2 RS232 & 4-20mA	402 021	401 824	-	3 x 401 816
401 831	PCBA CPC10A 12V Control V2 RS485	402 020	-	401 825	-
401 832	PCBA CPC10A 12V Control V2 RS485 & 4-20mA	402 021	-	401 825	3 x 401 816
401 833	PCBA CPC10A 24V Control V2 RS232	402 022	401 824	-	-
401 834	PCBA CPC10A 24V Control V2 RS232 & 4-20mA	402 023	401 824	-	3 x 401 816
401 835	PCBA CPC10A 24V Control V2 RS485	402 022	-	401 825	-
401 836	PCBA CPC10A 24V Control V2 RS485 & 4-20mA	402 023	-	401 825	3 x 401 816

CPC10A V2 - PCB Assembly Identification

	<p>Base PCBA PN: 401 833 PCBA CPC10A 24V Control V2 RS232 (402 022 + 401 824)</p> <p>25.5 x 14 x 8cm 0.8kg (approx.)</p>
	<p>Base PCBA PN: 402 023 PCBA CPC10A 24V Control & Transducer V2 Base</p> <p>28.5 x 14 x 8cm 0.8kg (approx.)</p>
	<p>RS232 Module 401 824</p> <p>89 x 19 x 14mm</p>
	<p>RS485 Module 401 825</p> <p>89 x 19 x 14mm</p>
	<p>4-20mA Module 401 816</p> <p>65.5 x 18.5 x 7mm</p>



Above: CPC10A 24V with RS232 on mounting plate.