



THE MICHA DESIGN COMPANY LIMITED

Unit 1, Bridgeway Business Park, Gatehouse Way, AYLESBURY, Buckinghamshire. HP19 8XN United Kingdom
Telephone: +44 (0)1 296 - 43 61 61 Telefax: +44 (0)1 296 - 42 02 92 e-mail: sales@micha.co.uk

Spare Component Parts for MSRx Series (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. "801313 V2.4", this should be specified at the time of enquiry or order.

MSRx series V1 (S/S 30A Array Sw.)		Manufactured: 2001 - 2013			
PN	Description	MSRx2	MSRx4	MSRx6	MSRx8
400 327	PCBA MSRx Control V1 (Software: 801313 V1 - V2)	1	1	1	1
400 501	PCBA MSRx 12V PSU Module (V1 & V2)				
400 502	PCBA MSRx 24V PSU Module (V1 & V2)	1	1	1	1
400 503	PCBA MSRx 48V PSU Module (V1 & V2)				
400 446	PCBA MSRx PSU/Load (150A Ay Sh) V1 & V2	1	1	1	1
400 790	PCBA MSRx Array Shunt 2 (150A/60mV) Form A			1	1
400 625	PCBA MSRx Array Switch (2x30A) V1	1	2	3	4
Optional Fitting Kits and Ribbon Cables:					
Part No.	Description	MSRx2	MSRx4	MSRx6	MSRx8
600 304	MSRx PSU / Load PCB Assembly Fixing Kit	1	1	1	1
600 314	MSRx Array Switch (2x30A) PCB Fixing Kit	1	2	3	4
600 303	MSRx Control Pcb Fitting Kit	1	1	1	1
600 836	PCB Assembly Fixing Kit (Shunt): 4 x 15mm			1	1
600 309	MSRx Cable Kit - Array Sw Assy 1	1	1	1	1
600 310	MSRx Cable Kit - Array Switch Interconnect		1	1	2
600 311	MSRx Cable Kit - Array Sw Assembly 3 (1.0m/0.2m)			1	1
MCBs					
Part No.	Description	MSRx2	MSRx4	MSRx6	MSRx8
001146	Load MCB ABB S200 1-pole Type-C 32A (2 Loads)	2	2	2	2
001150	Load MCB ABB S200 1-pole Type-C 63A (1 Load)	1	1	1	1
001147	Array MCB ABB S200 1-pole Type-C 40A	2	4	6	8
<i>Controllers configured with a single load output will have single 63A MCB.</i>					
Temperature Sensors					
Part No.	Description	MSRx2	MSRx4	MSRx6	MSRx8
101 301	MSRx Temperature Sensor (5m)	1	1	1	1
101 302	MSRx Temperature Sensor (10m) (Standard)				
101 303	MSRx Temperature Sensor (15m)				
101 918	MSRx Temperature Sensor (20m)				
102 262	MSRx Temperature Sensor (25m)				
102 192	MSRx Temperature Sensor (30m)				



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Spare Component Parts for MSRx Series (V1 and V2)

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Control boards will be supplied with the latest version of software available. If a specific version is required, e.g. "801313 V2.4", this should be specified at the time of enquiry or order.

MSRx series V2 (S/S 30A Array Sw.)		Manufactured: 2013 -			
PN	Description	MSRx2	MSRx4	MSRx6	MSRx8
401 764	MSRx Control PCB Assembly V2 (Software: 801313 (Latest V4))	1	1	1	1
400 501	MSRx 12V PSU Module PCB Assembly V1 & V2	1			
400 502	MSRx 24V PSU Module PCB Assembly V1 & V2				
400 503	MSRx 48V PSU Module PCB Assembly V1 & V2				
400 446	MSRx PSU/Load PCB Assembly (150A Sh) V1 & V2	1	1	1	1
401 338	MSRx Array Switch (2x30A) PCB Assembly V2	1	2	3	4
401 415	Shunt 150A 60mV PCB Assembly			1	1

Optional Fitting Kits and Ribbon Cables:					
Part No.	Description	MSRx2	MSRx4	MSRx6	MSRx8
600 304	MSRx PSU / Load PCB Assembly Fixing Kit	1	1	1	1
600 314	MSRx Array Switch (2x30A) PCB Fixing Kit	1	2	3	4
600 835	MSRx Control PCB Assembly Fitting Kit V2	1	1	1	1
600 836	PCB Assembly Fixing Kit (Shunt): 4 x 15mm			1	1
700 511	20-way Ribbon Cable Assembly Type 1 - 320mm	1	1	1	1
700 502	10-Way Ribbon Cable Assembly Type 1 - 200mm	1	1	1	1
700 503	10-Way Ribbon Cable Assembly Type 1 - 300mm		1		2
700 506	10-Way Ribbon Cable Assembly Type 1 - 600mm			1	1

MCBs					
Part No.	Description	MSRx2	MSRx4	MSRx6	MSRx8
001146	Load MCB ABB S200 1-pole Type-C 32A (2 Loads)	2	2	2	2
001150	Load MCB ABB S200 1-pole Type-C 63A (1 Load)	1	1	1	1
001147	Array MCB ABB S200 1-pole Type-C 40A	2	4	6	8

Controllers configured with a single load output will have single 63A MCB.

Temperature Sensors					
Part No.	Description	MSRx2	MSRx4	MSRx6	MSRx8
101 301	MSRx Temperature Sensor (5m)	1	1	1	1
101 302	MSRx Temperature Sensor (10m) (Standard)				
101 303	MSRx Temperature Sensor (15m)				
101 918	MSRx Temperature Sensor (20m)				
102 262	MSRx Temperature Sensor (25m)				
102 192	MSRx Temperature Sensor (30m)				