

Digitrax Power Management Specification Sheet

PM42 Quad Power Manager



Amperage	1.5 Amps min to 12 amps
Interface	44 Pin Connector
External Power	Yes, (PS14)
Ability to work on non Digitrax Layouts	Yes
Adjustable Short Circuit Management	Yes, Slow, regular, faster or fastest
Power Management	Yes, Up to 4 Sub-Districts
Automatic Reversing	Yes, Up to 4
Mix between Power Management and Automatic Reversing	Yes

Prod Date	11/08/2002	Discontinued	Current	Replaced By	Current
MSRP	US\$79.95	Size	4.25" x 4.5" x 0.8"	SKU	

Table III: PM42 Trip Current Settings OpSws

OpSw	Setting	Setting	Setting	Setting
OpSw 01 (OpSw 09 = t)	t	c	t	c
OpSw 02 (OpSw 09 = t)	t	t	c	c
<i>Trip Current (approx..)</i>	<i>3 amps</i>	<i>6 amps</i>	<i>9 amps</i>	<i>12 amps</i>
OpSw 09	c	c	c	c
<i>Trip Current (approx..)</i>	<i>1.5 amps</i>	<i>4.5 amps</i>	<i>7.5 amps</i>	<i>10.5 amps</i>

Table IV: PM42 Short circuit Sensitivity Settings

PM42 Section 1	OpSw 03	OpSw 05	Short Circuit Detection Sensitivity
	thrown	closed	Slow
	thrown	thrown	Standard (Default)
	closed	closed	Faster
PM42 Section 2	closed	thrown	Fastest
	OpSw 11	OpSw 13	Short Circuit Detection Sensitivity
	thrown	closed	Slow
	thrown	thrown	Standard (Default)
PM42 Section 3	closed	closed	Faster
	closed	thrown	Fastest
	OpSw 19	OpSw 21	Short Circuit Detection Sensitivity
	thrown	closed	Slow
PM42 Section 4	thrown	thrown	Standard (Default)
	closed	closed	Faster
	closed	thrown	Fastest
	OpSw 27	OpSw 29	Short Circuit Detection Sensitivity
thrown	closed	Slow	
thrown	thrown	Standard (Default)	
closed	closed	Faster	
closed	thrown	Fastest	

Table V: PM42 Auto-Reversing Set Up Option Switches

PM42 Section 1	OpSw 06 = c	Connect Rail A, Pins E & 5, Connect Rail B, Pins F & 6 on 44-pin connector
PM42 Section 2	OpSw 14 = c	Connect Rail A, Pins K & 9, Connect Rail B, Pins I & 10 on 44-pin connector
PM42 Section 3	OpSw 22 = c	Connect Rail A, Pins P & 13, Connect Rail B, Pins R & 14 on 44-pin connector
PM42 Section 4	OpSw 30 = c	Connect Rail A, Pins U & 17, Connect Rail B, Pins V & 18 on 44-pin connector

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