

SPECIFICATION SHEET

JFW MODEL 50MS-287

MATRIX SWITCH

JFW Industries, Inc.
Phone: 317-887-1340
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www.jfwindustries.com

Frequency Range	20-2000 MHz
Configuration	24 x 4 Non-Blocking Solid-State Matrix (See block diagram 092-7136) (Unused input ports are self-terminating) (Unused output ports are self-terminating) (all ports are bi-directional) (the ADMIN password is located on rear panel)
Startup/Default States (configurable)	All ports off at startup (see MATRIX command) DHCP enabled (see NET command) 4 Ethernet users (see NET command) Prompts off (see PROMPT command) All of these default settings can be changed by user. Unit can be configured for up to 12 Ethernet users.
Enclosure Type	19 inch rack mount @ 6RU high
Impedance	50 Ohms nominal
VSWR	1.8:1 maximum 1.6:1 typical
Insertion Loss	14.5 dB maximum 13.7 dB typical
Isolation	Output to Output: 25 dB minimum (Set to same input) Output to Output: 80 dB minimum (Set to different inputs) Input to Output: 76 dB minimum (Output OFF) Input to Input: 82 dB minimum
RF Input Power	+20 dBm average
Switching Speed	20 microseconds (after command is received and processed) (3 milliseconds typical processing time)
Manual Control	20-Button Keypad and LCD display (IP Address configurable via keypad) (Net mask configurable via keypad) (Gateway configurable via keypad) (Baud rate configurable via keypad)
Remote Control	Ethernet (DHCP, TCP/IP, 10/100, up to 12 users) RS-232 (up to 115200 Baud)

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Remote Commands

Matrix Commands:
Matrix, Set Input, Set Output, Read Input, Read Output, Read All Inputs, Read All Outputs, Read Matrix Paths

System Commands:
Help, Identification, Store, Recall, Pause, Net, Serial, Close, Disconnect, MOTD, Date, Message, Restrict, IDENT, Name, Show Users, Reboot, Uptime, Prompt

RF Connector

SMA or N female

AC Supply

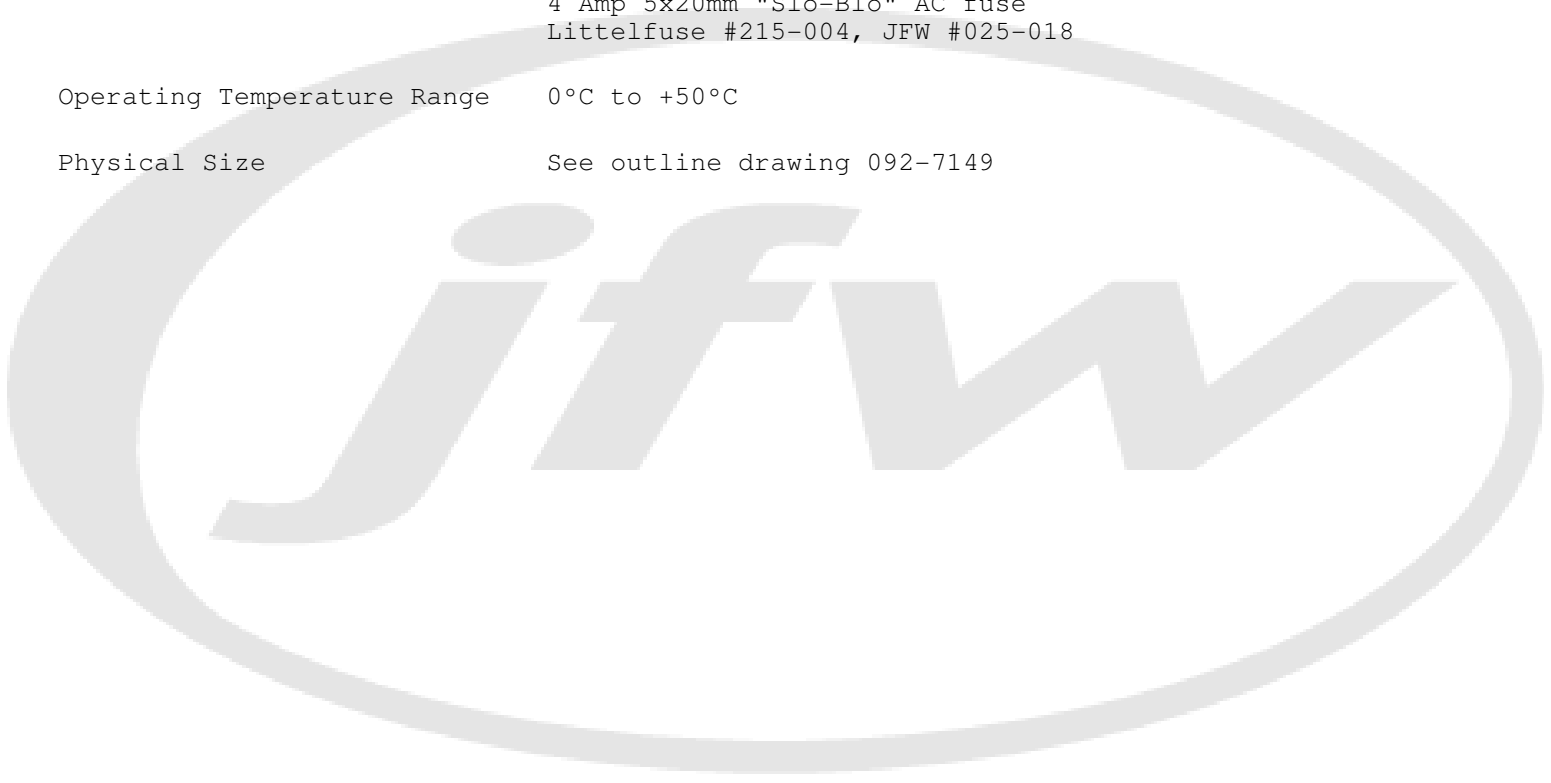
100-240 VAC @ 47-63 Hz
4 Amp 5x20mm "Slo-Blo" AC fuse
Littelfuse #215-004, JFW #025-018

Operating Temperature Range

0°C to +50°C

Physical Size

See outline drawing 092-7149



ECR/ECN #	DATE	REV	APPR / DATE	ECR/ECN #	DATE	REV	APPR / DATE
	11/10/2011		TRS 11/10/2011				
24239	07/15/2015	A	TRS 07/15/2015				