

SPECIFICATION SHEET

JFW MODEL 75MS-030

MATRIX SWITCH

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

Frequency Range	3-1000 MHz
Configuration	2 x 6 Blocking Solid-State Matrix Switch (See Block Diagram 092-6913) (Unused input ports are reflective) (Unused output ports are terminated)
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 @ 3RU high
Impedance	75 Ohms nominal
RF Connectors	75 Ohm N female
VSWR	1.4:1 typical 1.6:1 maximum
Insertion Loss	3.0dB nominal
Isolation	70 dB typical (Input to Input) 60 dB minimum (Input to Input) 70 dB typical (Input to Output) 60 dB minimum (Input to Output) 70 dB typical (Output to Output) 60 dB minimum (Output to Output)
RF Input Power	+13 dBm maximum
Switching Speed	40 microseconds (after command is received and processed) (3 milliseconds typical processing time)
Remote Control	Ethernet (DHCP, 10/100, TCP/IP, up to users) RS-232 (Up to 115200 baud)
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)

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Remote Command Format

Matrix Control Commands:

Set Input, Set Output, Read Input, Read Output

System Commands:

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

Control Connector

RJ-45 (Ethernet)
DE-9P (Etherent config port)

AC Supply

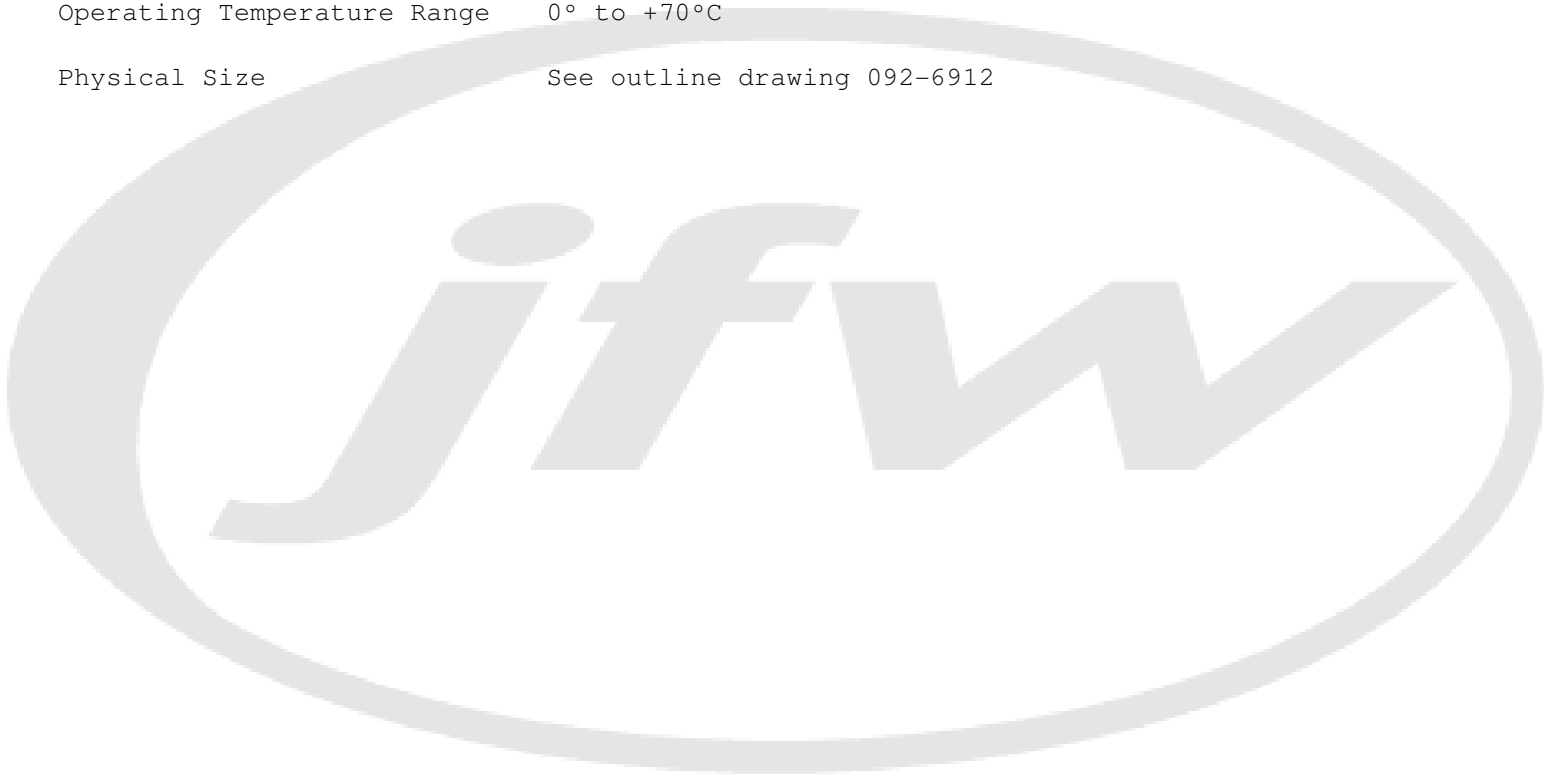
100-240VAC @ 47-63 Hz

Operating Temperature Range

0° to +70°C

Physical Size

See outline drawing 092-6912



ECR/ECN #	DATE	REV	APPR / DATE	ECR/ECN #	DATE	REV	APPR / DATE
	03/29/2011		BAC 03/29/2011				
24239	06/01/2015	A	BAC 06/01/2015				
27830	05/31/2017	B	TRS 05/31/2017				