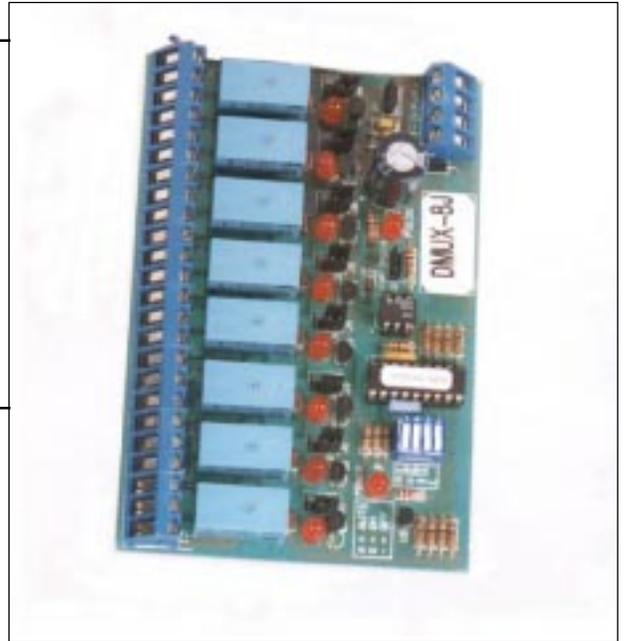


FEATURES

- Multiplexes single PWM signal
- Reduces Output Point Cost
- Individually Addressable Relays
- Field Selectable Modes of Control
- Power, Signal, and Relay Status Indicators
- Quartz Accuracy
- AC or DC powered
- Individual On/Off/Auto Override Jumpers

APPLICATIONS

- Input or Output Expander / Multiplexer
- Building Automation Systems
- Process Control Systems
- HVAC Unit Control
- Sprinkler Valve Operation
- Lighting Control



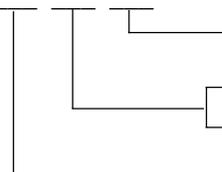
PRODUCT DESCRIPTION

The DMUX is a selectable output controller designed to expand the output capacity of an energy management or process controller. The DMUX has up to eight output relays which are individually addressed by a single pulse width modulated input signal. Common (C), Normally Open (NO), and Normally Closed (NC) connections are available for each output. Three position On/Off/Auto jumpers are standard and allow manual override at the DMUX. Optional three

position On/Off/Auto switches are available. The DMUX converts a relay, transistor or triac input signal to operate an appropriate relay (output) based on the duration of the signal. Each relay output of the DMUX can be individually addressed by the controlling microprocessor. Each output has an LED indicator for a visual verification of operation. There are also LED indicators to show the presence of power and the input pulse.

ORDERING INFORMATION

Specify: DMUX-



Program Number (see reverse under "Input")

J - Jumper Override - Moveable shunts (standard)

S - Switch Override - Three position switches (optional)

Number of Relays: 4 or 8

DMUX 4J or DMUX 8J are standard. Other configurations are available, but additional lead times and possible quantity restrictions may apply. Check when ordering.

SPECIFICATIONS

Electrical Requirements

Power Supply

Supply Voltage	24 VAC or 24 VDC, +/- 10%
Supply Current	200 mA maximum 25 mA per relay

Input

Pulse Source	Relay, transistor or triac (jumper selectable).
Pulse Trigger Level	5 to 24 volts AC or DC, 20 mA max.
Off Time Between Pulses	10 milliseconds min.
Pulse Resolution	.5 seconds (custom PWM inputs available). Novar pulse width modulated signal control: a) Sequence 8 relays, or b) select One-of-Eight relays Solidyne pulse width modulated signal control: a) Sequence 8 relays, or b) Rooftop unit control

Mechanical Requirements

Relay Contacts

Type	Form C, Gold-clad silver
Rating	2 amp max resistive @ 24 volts
Electrical Life	100,000 operations @ 1 amp
Mechanical Life	10 million operations
Output Relays	4 or 8 N.O. and N.C. contacts
Relay Override Jumpers (Standard)	4 or 8 three-position (on/off/auto)
Relay Override Switches (Optional)	4 or 8 three-position (on/off/auto)

Connections

Wire Size	Up to one 14 gauge max
Terminal Type	45 degree, captive screw, cage clamp design in nickel plated copper alloy

Dimensions

4.825" L x 3.225" W x 1.0" H

Weight

4.0 oz

Mounting

Furnished with snaptrack

Environmental Requirements

Operating Temperature	-20 to 150 deg F
Operating Humidity	10 to 95% non-condensing

Specifications subject to change without notice to improve product functionality or reliability