

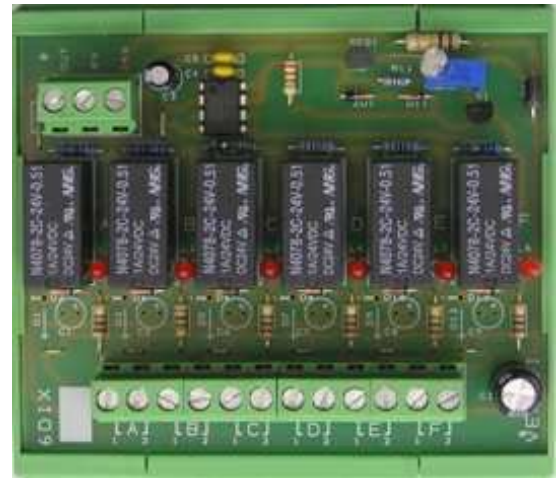
MOD6DIX Six Way Digital Expander

Description

The MOD 6 DIX Module is intended for use with Direct Digital Controllers to expand their Digital Input capacity by multiplexing 6 Digital Inputs into 1 Analogue Signal.

The MOD 6 DIX Module is constructed on a Epoxy Glass Laminate and housed in an industry standard 80mm DIN Rail Mounting. Generous 2.5mm² terminals are provided for the field interconnections.

The MOD 6 DIX Module is CE rated and is RoHS compliant.



Applications

Applications include the monitoring of plant status signals, not recommended for critical alarms.

To monitor any true Volt Free Contact run, trip overload and status type digital signals.

To provide a Local LED indication of Input Status.

To provide isolation of the controller from the Harsh Plant Environment, protecting the Controller.

The MOD6DIX output is configured 0—10V DC.

Features

Expands the controllers Input capacity.

Design for DIN rail mounting.

LED status indication.

Rising cage Terminals.

Voltage input version available, 24V AC or DC.

Flame retardant Polyamide DIN mounting.



Specifications

- Input Signal: 6 x Volt free Contact to switch 24V DC @ 15mA.
6 x 24V AC or DC galvanically isolated is available on request.
- Output Rating: 0—10V DC.
- Power Supply: 24V DC @ 70mA (+/-15%)
- LED Indication: ON when relay energised.
- Output Range: 0-10V Output.
- Electrical connections: Rising cage terminals for 0,5 to 2,5mm² cable.
Ambient Conditions: -10 to 50°C 0 to 80% RH non-condensing.
Dimensions: 80 x 91 x 40mm.
Weight: 108g
IP. Rating: IP00.
Mounting: Flame retardant green Polyamide 66 UL 94V0 moulding.
To suit 35mm top hat din rail.

Output Voltage Table

Input	Output
NONE	0.0V
F	0.15V
E	0.3V
D	0.6V
C	1.2V
B	2.4V
A	4.8V

There are 64 possible outputs, only outputs for single inputs are shown in the table. To calculate other outputs add the individual output values.

E.g. if input A,D and F are active then the output will be $A+D+F = 4.8+0.6+0.15 = 5.55V$.

Also $B+C+E = 2.4+1.2+0.3 = 3.9V$ Output.