Universal Relay Module

Offers Eight, 15 Amp Relays with Universal Input in a Versatile Enclosure

UNIVERSAL INPUT

- *Low Level Input Signals - 5 to 24Vdc*
- *Logic Level Inputs (TTL, CMOS, etc.)*
- *Direct or Reverse Acting Input*
- *Contact Closure Input*
- *Operate Relays Using a Remote Switch*

IDEAL FOR HEAVY LOADS

- *Compatible with Most PLCs & Controllers*
- *Four & Eight Relay Models Available*
- *Normally Open/Normally Closed Contacts*
- *Relay Status Indication on Front Panel*
- *Euro-style Pluggable Connectors*

VERSATILE ENCLOSURE

- *Panel, DIN rail or Wall mounted*
- *Built-in Power Supply (25W)*
- *Auxilliary Power Supply Output (20W)*
- *AC and DC Supply Status*
Indication
- *All Aluminum Enclosure*

UNIVERSAL RELAY MODULE

RELAY1 STATUS
RELAY2 STATUS
RELAY3 STATUS
RELAY4 STATUS
RELAY5 STATUS
RELAY6 STATUS
RELAY7 STATUS
RELAY8 STATUS

AC LINE STATUS

DC POWER STATUS

KAIF DIGITAL
Made in U.S.A.

Direct interface to Kaif Digital products as well as other PLC's, controllers, indicators, motor starters, etc.

Only
$145
Base unit

DESCRIPTION

URM series relay module is a very versatile instrument that is used for switching up to eight 15 ampere loads using low level input signals from PLCs, process controllers, indicators, motor starters etc. Its extremely flexible inputs will accept a wide variety of control signals. Selectable input allows activation of output relays on direct acting or reverse acting signal. Similarly, input signals can range from 5vdc to 24vdc. Conditioning of input allows open collector or logic level inputs (e.g. TTL, CMOS etc) from PLCs or controllers to be used for switching output relays. In addition to working with control/logic level signals, another very useful feature of URM is activation of output relays on contact closure.

KAIF DIGITAL
...We put you in Control!

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SPECIFICATIONS

RELAY SPECIFICATIONS:
Type: Electomechanical relay, SPDT
Current Rating = 15 ampere
Switched voltage = upto 250vac
Coil Voltage = 5vdc
Operate Time (typical) = 10 Milliseconds
Release Time = 5 Milliseconds
Mechanical Life Expectancy = 10million operations
Temperature Rise = 25C (45F) at nominal coil voltage.

OUTPUT CONNECTIONS:
Type = Euro style Pluggable connectors
Terminals = Screw type
Terminal Spacing = 5mm (0.196")
Stripped length = 6mm (0.236")
Current Rating = 15 ampere
Wire Size = AWG22-14

INPUT CONNECTIONS:
Type = Euro style Pluggable connectors
Terminals = Screw type
Terminal Spacing = 3.5mm (0.137")
Stripped length = 7mm (0.275")
Current Rating = 8 ampere
Wire Size = AWG28-16

POWER SUPPLY:
Universal Input = 100vac to 240vac
Power = 25 watts
Over Voltage Protection = 115 - 135% of output
Leakage Current = Less than 0.5ma
Efficiency = 75% to 78% typical
Output termination = Euro style screw terminal
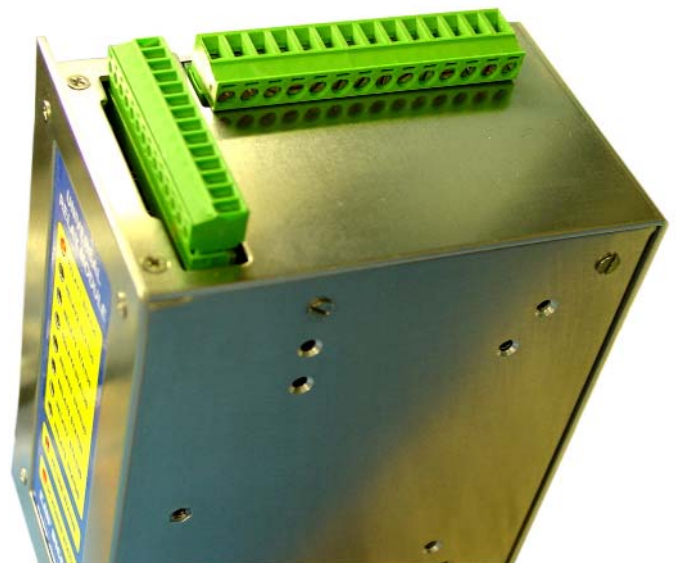Dual supply output available (consult factory)

DIMENSIONS:
Case: 4.5"(L) x 2.7"(W) x 5.5"(H)
Bezel size: 3.0"(W) x 5.75"(H) x 0.06"(T)

A lot of process control instruments have low power relays installed in them which provide a relay contact closure for low amperage switching but are not suitable for handling heavy loads. In such applications, URM series comes in handy. Simply connect the low power relay contact output to URM unit and instantly you have up to eight 15 ampere load switching relays.

Input and output connections are made through euro style pluggable connectors which are conveniently located on the top and bottom of the unit. screw in terminals allow for quick connect/disconnect of wires.

The unit is housed in a versatile enclosure which can be configured for mounting on a DIN rail or on a wall. If desired, the same enclosure can be panel mounted with relay, AC and DC supply status visible on the front. LEDs on the front panel turn on when a relay is energized.

Two different versions are offered in this series. First one is URM400 which has four relay outputs. The second one is URM800 which has eight relay outputs. Both units come with a built-in universal power supply. It operates from 100vac to 240vac. This power supply provides power not only to the internal electronics and relays but has up to 20watts (5, 12 or 24vdc) available for external applications by the user.

Euro style connectors provide easy access to input/output connections

ORDERING GUIDE

URM 400 --- 4 Relay Unit
URM 800 --- 8 Relay Unit