

ETS Inc. URM-1, URM-4, URM-8 Instructions

The URM series universal relay modules are designed to accept a variety of input signals. The URM outputs are form "C" relay contacts rated at 8Amps max.

Input power:

Connect any supply voltage from 5VDC to 24VDC. The power supply should be capable of furnishing 100ma per relay channel. The maximum amounts of current when all relays are energized at the same time are as follows: 100ma for the URM-1, 400ma for the URM-4 and 800ma for the URM-8. Note- if you are using open collector (or drain) or Voltage inputs, the common "-" of the power supply connected to the URM must be tied to a common ground of the equipment supplying the trigger signals.

Relay outputs

The URM relay outputs are form C dry contacts and can handle up to 8Amps at 120VAC. C= common, NC=normally closed and NO=normally open.

Input signals

The URM can take Voltage inputs (3-24VDC), open collector (or drain) inputs or a switch / relay (dry contact) inputs. Note- for practical purposes, an open collector can be thought of as a switch to ground. See connection diagram. Note- if you are using open collector (or drain) or Voltage inputs, the common "-" of the power supply connected to the URM must be tied to a common ground of the equipment supplying the trigger signals.

Voltage / Dry OC jumper

If you are using Voltage trigger signals, set this jumper to the "voltage" position. If you are using switches, relay contacts or open collector input trigger signals, set this jumper to the "Dry / OC" position.

Buffer / Invert jumper

If you require the relay to energize when an input trigger is removed, select the "Invert" position. If you require the relay to energize when an input trigger is applied, select the "buffer" position. Note- The invert function is useful in access control systems for fire safety requirements. If you have all relays connected to door locks and normally energized, If power is lost or cut off, the relays will de-energize and open the doors.

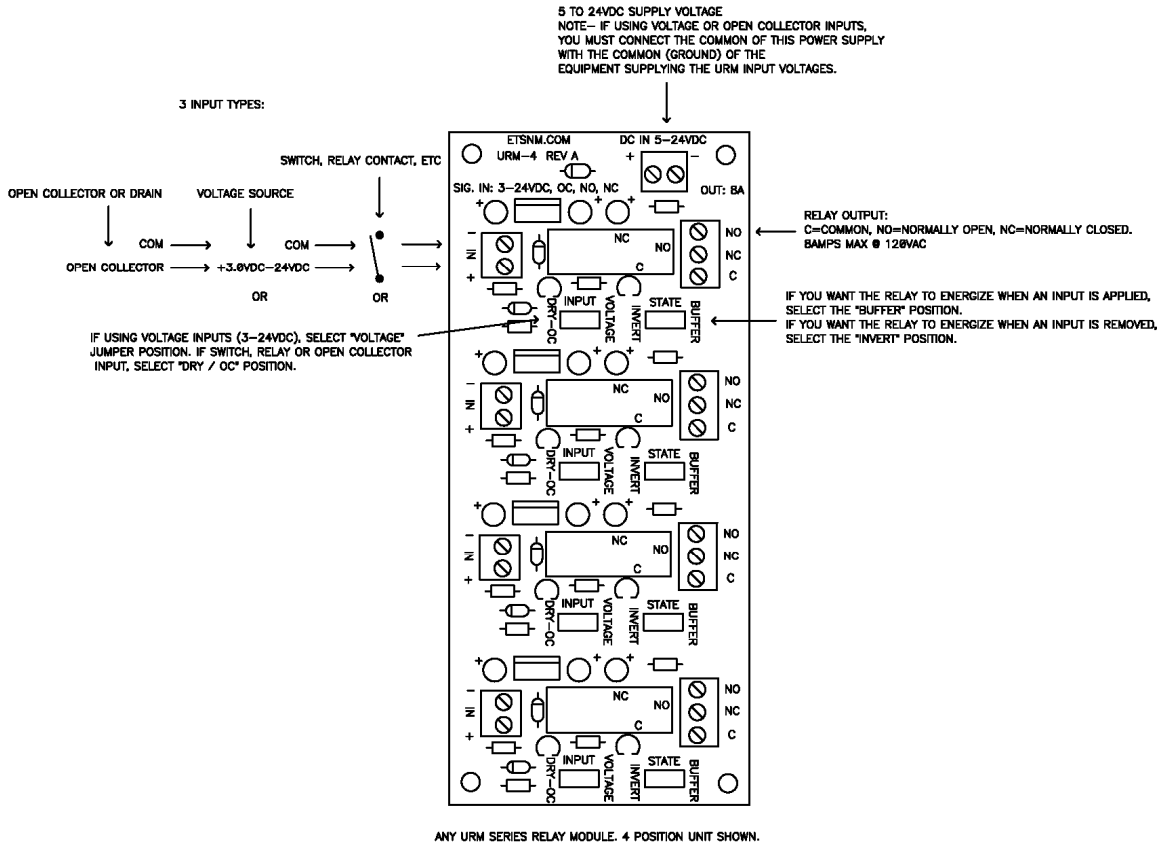


Figure 1.

Warranty

All ETS products carry a one year parts and labor warranty. This warranty does not cover damages as a result of misuse, improper handling of the unit or exposure to extreme temperatures or moisture. At its discretion, ETS reserves the right to repair or replace this unit under the conditions of the warranty. If you experience problems with your equipment call ETS at: 505-888-3923 to obtain a return authorization number. Equipment requiring repair beyond the warranty period or units that have been damaged or are not covered under the warranty can be repaired by ETS for a minimal cost under most conditions.

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by
ETS Inc.