

Reliable Controls® MACH-System

Reliable controls

...people and technology you can rely on™

- FOR MACH-STAT AND MACH-PRO SERIES CONTROLLERS
- THREE CONVENIENT AND COMPACT MODULES TO CHOOSE FROM
- UNIVERSAL: CONTROLS MODULATING OR 2-POSITION 12 VDC LOADS
- RELAY: PROVIDES SPDT FORM C CONTACT FOR 24 VAC/DC LOADS
- TRIAC: NORMALLY OPEN CONTROL FOR SWITCHING 24 VAC LOADS
- SIMPLE, FLEXIBLE, AND ECONOMICAL OUTPUT CONFIGURATION
- 5 YEAR WARRANTY

OUTPUT MODULES

UNIVERSAL
Module UM



RELAY
Module RM
24VAC 0.5A



TRIAC
Module TM
24VAC 0.5A



Reliable Controls® output modules provide an excellent solution for controlling low voltage devices without requiring an interposing relay or transducer, and ships with the Reliable Controls® industry-best 5 year warranty.



The Reliable Controls[®] output modules provide simple, flexible, and economical output configurations for the MACH-Stat and MACH-Pro series controllers.

Three different, convenient, and compact modules provide low-voltage connectivity for modulating, Form C, and triac applications, minimizing the need for interposing relays and transducers.

The modules are easy to install, by simply pressing them into the empty output sockets on the MACH-Stat and MACH-Pro series controllers.

Output modules are sold in bulk, 10 modules to a package and ship with Reliable Controls[®] industry-best 5 year warranty.

FEATURES

Mounting

- Press in place, no tools required

Universal Output Module (UM)

- Provides a standard Reliable Controls[®] 0–12 VDC 75 mA output
- Built-in overload and short-circuit protection
- Modulating or digital range configured using RC-Studio[®] 2.0

Relay Output Module (RM)

- Single Form C SPDT dry contact, 24 VAC/DC, 0.5 A
- Jumper to select normally open or normally closed operation
- Ideal for switching low current and/or DC loads

Triac Output Module (TM)

- Single normally open contact for 24 VAC loads only, 0.5 A
- Optically isolated Triac driver provides excellent isolation and noise immunity
- No moving parts for maximum life
- Low heat dissipation
- Ideal for switching 24 VAC control circuit loads found in packaged HVAC systems, and 24 VAC two-position or floating point actuators

ORDERING

An order quantity of 1 means one box of 10 output modules

UM

- 10 Universal Output Modules (0–12 VAC @ 75 mA)

RM

- 10 Relay Output Modules (24 VAC/DC @ 0.5 A)

TM

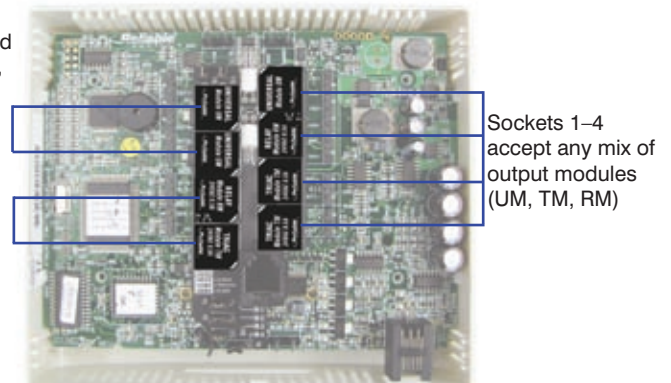
- 10 Triac Output Module (24 VAC @ 0.5 A)

APPLICATION DIAGRAM

MACH-Stat Series Controllers

Sockets 5 & 6 must be populated with either 2 UMs, or any mix of TM and RM output modules

Sockets 7 & 8 accept TM or RM output modules



TECHNICAL SPECIFICATION

Universal Output Module (UM)

- 0–12 VDC @75 mA
- Digital or analog operation

Relay Output Module (RM)

- SPDT Form C dry contact
- Contact rating 0.5 A @ 24 volts AC/DC
- Jumper selectable normally open or normally closed operation

Triac Output Module (TM)

- Single normally open contact for switching AC loads
- Contact rating: 0.5 A @ 24 Volts AC
- Minimum switching current is 20 mA

MACH-Pro Series Controllers

