

TIME DELAY RELAYS

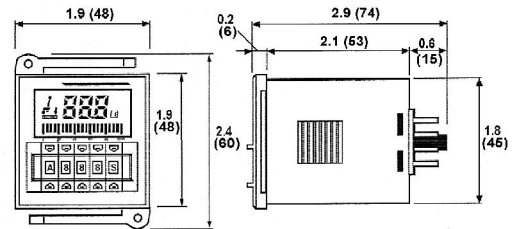
TAD Series

Digital -Set Multi-Function Multi-Range

1/16 DIN Mounting



All dimensions are IN (mm)



- Push-button thumbwheels for digital-setting of time delay & selection of function

- 10 field-selectable functions in one unit

- 10ms to 9,990 Hours programmable timing range

- Universal 24-240V AC/DC input voltage

- LCD display

- Panel, track or surface mounting

- 1/16 DIN style case (comes with panel-mounting adaptor)

- 5A SPDT output contacts



MULTI-FUNCTION	INPUT VOLTAGE	PRODUCT NUMBER	WIRING/SOCKETS _n
10 FIELD-SELECTABLE FUNCTIONS _u	24-240V AC 50/60Hz & 24-240V DC	TAD1U	SEE DIAGRAMS ON PAGE 2 8 Pin Octal

- Functions Include: On Delay (2 Versions), Interval, Flasher (2 Versions), Delayed Interval/Pulse, Off Delay, On/Off Delay, Single Shot & Accumulative On Delay (see Page 2 for additional details)

- See below for **Sockets & Accessories**.

Application Data

Voltage Tolerance:
±10% of rated voltage

Load (Burden):
Less than 2.5 VA

Repeat Accuracy:
±0.01%, ±0.05 seconds (includes variation due to voltage and temperature changes)

Recycle Time:
0.2 seconds maximum

Temperature:
-10° to 55°C (14° to 131°F)

LCD Display: Shows time remaining in both digit & bar graph form--also shows relay status & time base. In addition, a switch on the bottom of the unit allows choice of timing up or timing down display.

Output Contacts:
5A SPDT Resistive @ 250V AC

Life:
Mechanical: 10,000,000 operations
Full Load: 100,000 operations

Approvals: File #E170213

Sockets & Accessories

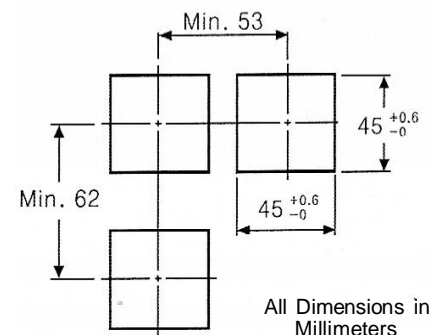
DESCRIPTION	PRODUCT NUMBER
8 Pin Octal Socket	70169-Dn
8 Pin Octal Socket (Back Mounting)	SR6P-M08G
Panel-Mounting Adaptor	Included

- For Surface or Track Mounting--See Macromatic Catalog for additional information



SR6P-M08G

PANEL CUTOUT



All Dimensions in Millimeters



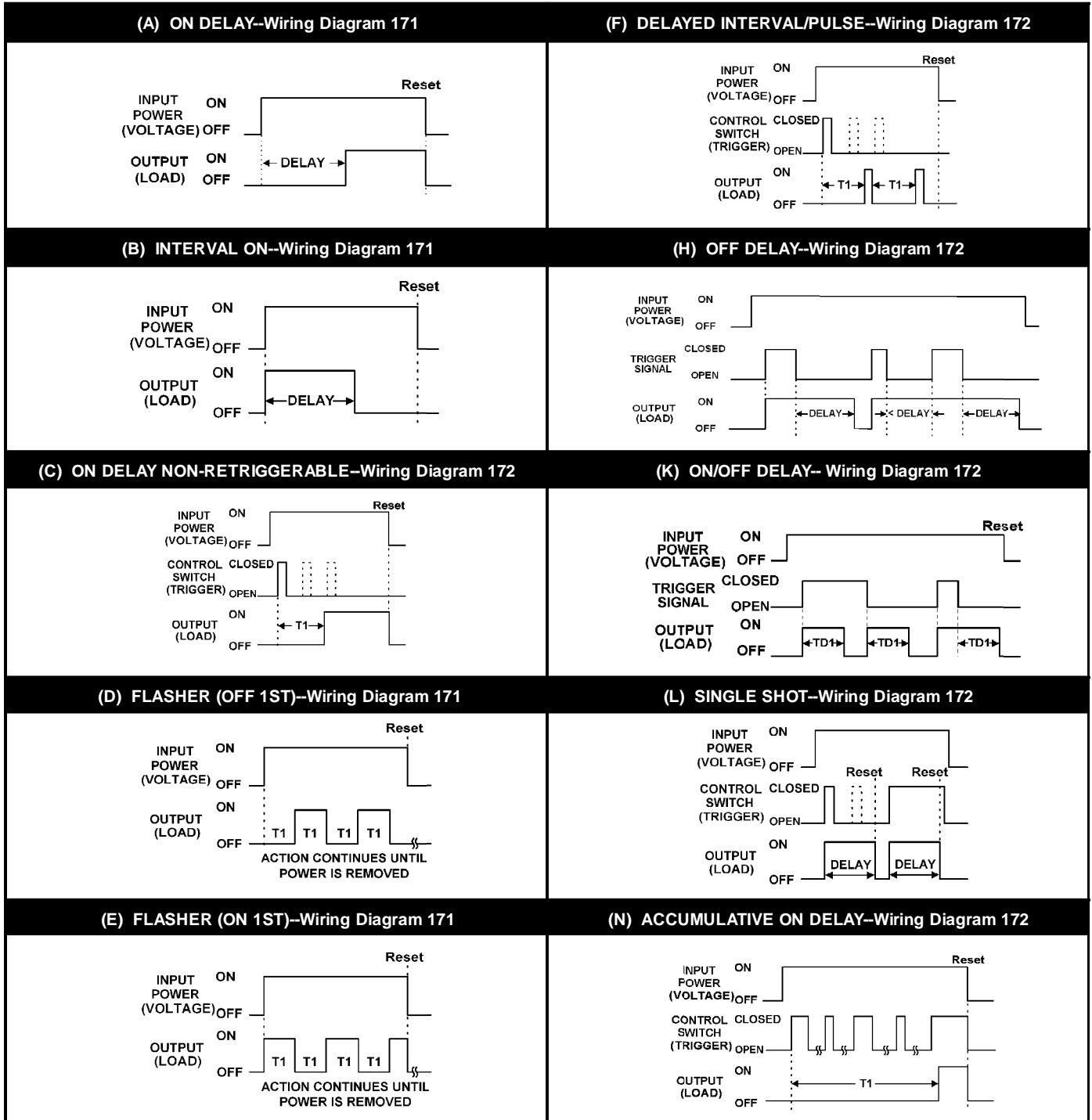
800-238-7474

www.macromatic.com

sales@macromatic.com

TIME DELAY RELAYS

TAD Series Digital -Set Multi-Function Multi-Range Definition of Timing Functions



In addition to using the Trigger or Control Switch, some functions may also use a Reset and/or Inhibit switch--please contact Macromatic for additional information.

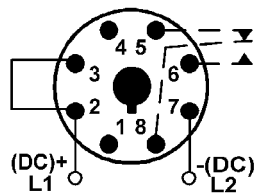


DIAGRAM 171

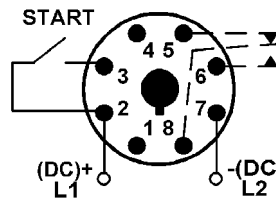


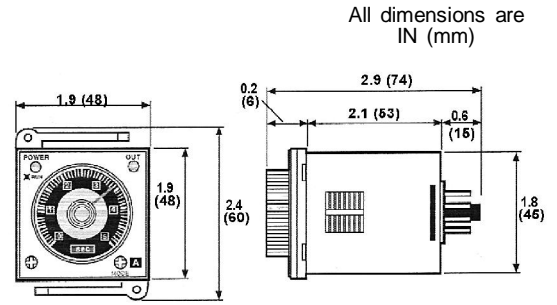
DIAGRAM 172

TIME DELAY RELAYS

TAA Series

Analog-Set Multi-Function Multi-Range

1/16 DIN Mounting



- u 6 field-selectable functions in one unit
- u Large dial for setting of time delay
- u 50ms to 100 Hours programmable timing range
- u Universal 24-240V AC/DC input voltage
- u Panel, track or surface mounting
- u 1/16 DIN style case (comes with panel-mounting adapter)
- u 3A DPDT output contacts



MULTI-FUNCTION _U	INPUT VOLTAGE	PRODUCT NUMBER	WIRING/SOCKETS _n
Includes: On Delay, Delayed Interval/Pulse, On Delay-Timed & Instantaneous, Flasher (OFF 1st), Flasher (ON 1st) & Interval On-Timed & Instantaneous	24-240V AC 50/60Hz & 24-240V DC	TAA1U	SEE DIAGRAMS ON PAGE 4 8 Pin Octal
Includes: On Delay-Triggered, Off Delay, On/Off Delay, Flasher (OFF 1st)-Triggered, Flasher (ON 1st)-Triggered & Watchdog	24-240V AC 50/60Hz & 24-240V DC	TAA2U	SEE DIAGRAMS ON PAGE 4 11 Pin Octal

n See below for **Sockets & Accessories**.

u See Page 4 for additional details.

Application Data

Voltage Tolerance:

±10% of rated voltage.

Load (Burden):

Less than 2.5 VA

Repeat Accuracy:

±0.01%, ±0.05 seconds (includes variation due to voltage and temperature changes).

Recycle Time:

0.2 seconds maximum.

Temperature:

-10° to 55°C (14° to 131°F)

LED Indicators: One red LED indicates Input Voltage/Timing (flashing) & a second red LED indicates relay status.

Output Contacts:

3A DPDT Resistive @ 250V AC

Life:

Mechanical: 10,000,000 operations

Full Load: 100,000 operations

Approvals:



Sockets & Accessories

DESCRIPTION	PRODUCT NUMBER
8 Pin Octal Socket	70169-Dn
8 Pin Octal Socket (Back Mounting)	SR6P-M08G
11 Pin Octal Socket	70170-Dn
11 Pin Octal Socket (Back Mounting)	SR6P-M11G
Panel-Mounting Adaptor	Included

n For Surface or Track Mounting--See Macromatic Catalog for additional information

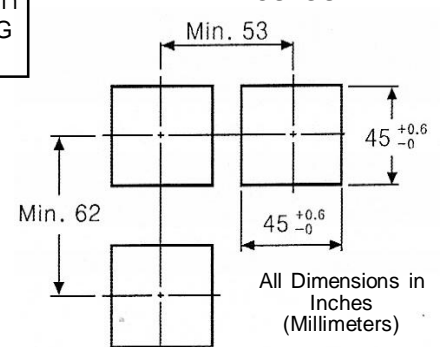


SR6P-M08G



SR6P-M11G

PANEL CUTOUT



800-238-7474

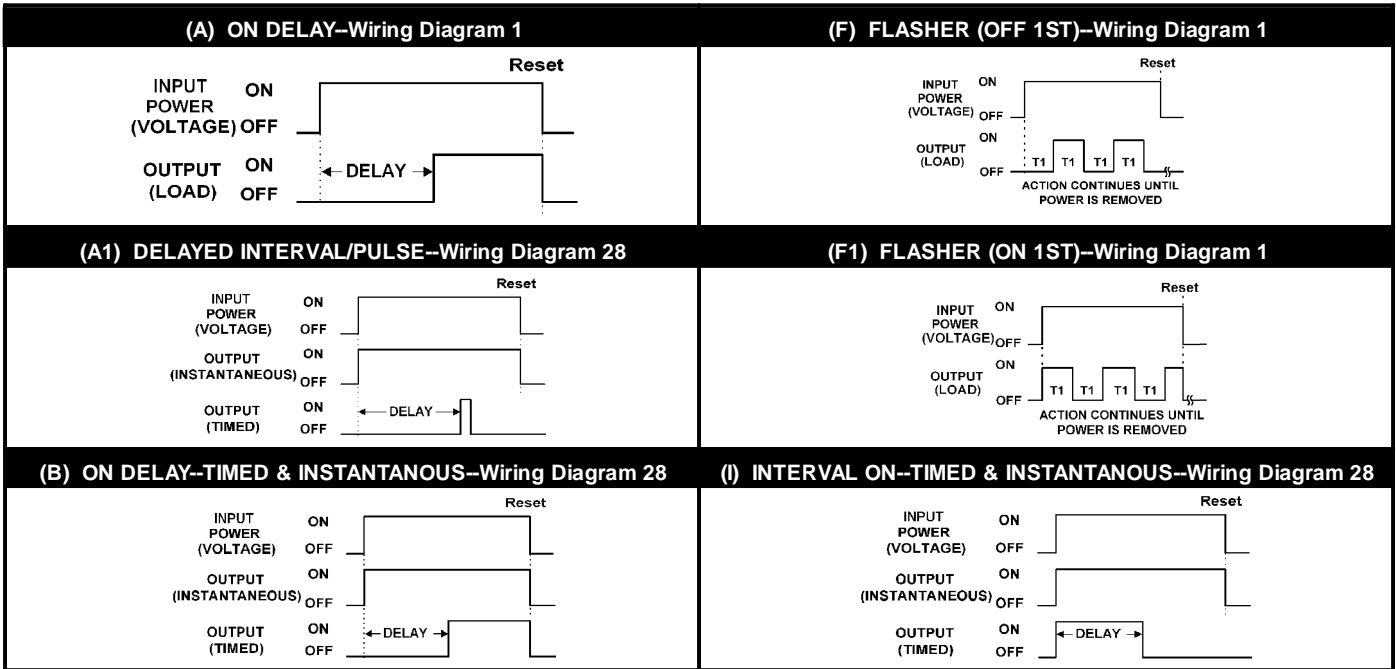
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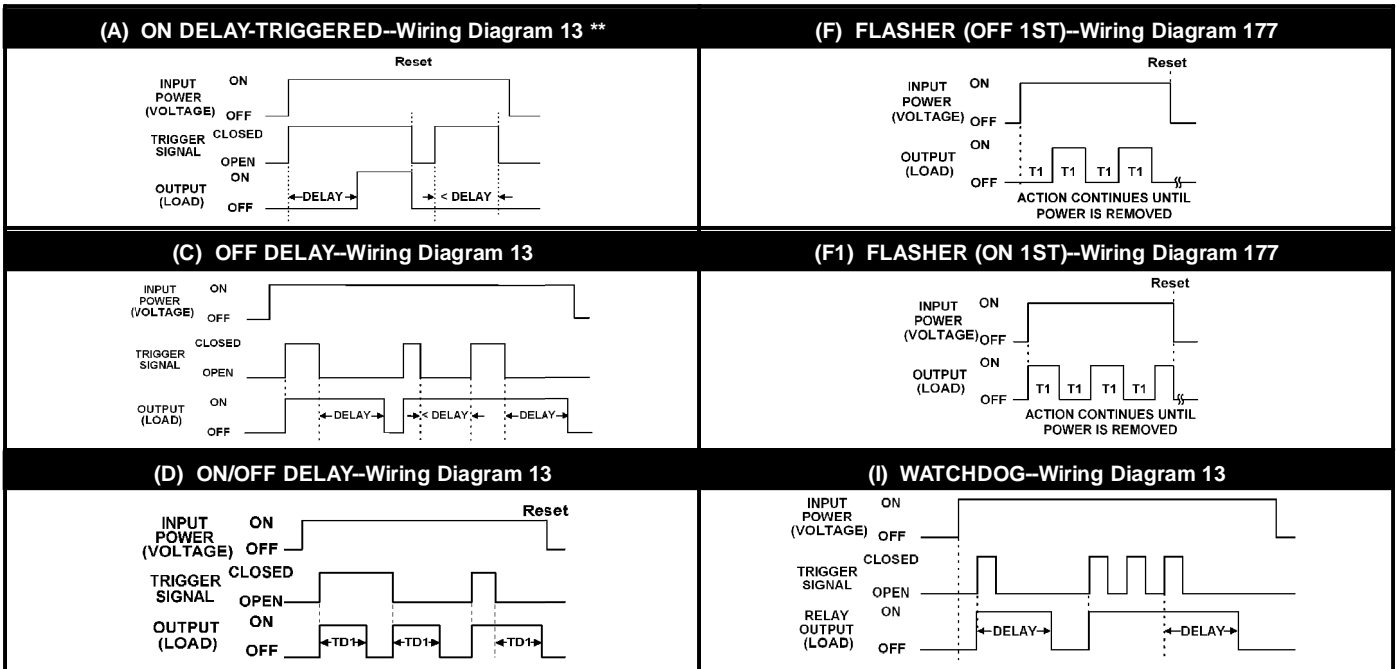
TIME DELAY RELAYS

TAA Series Analog-Set Multi-Function Multi-Range Definition of Timing Functions

TAA1U



TAA2U



In addition to using the Trigger or Control Switch, some functions may also use a Reset and/or Inhibit switch--please contact Macromatic for additional information.
** Function (A) will also operate as standard Non-Triggered On Delay when using Wiring Diagram 177.

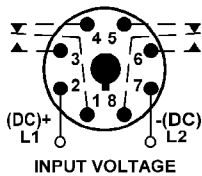


DIAGRAM 1

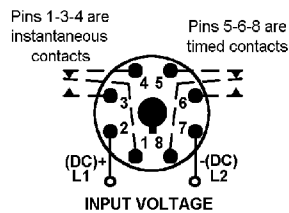


DIAGRAM 28

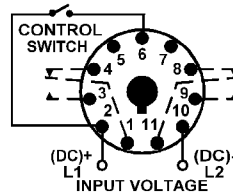


DIAGRAM 13

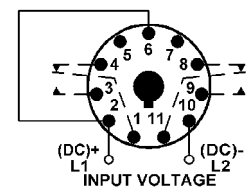


DIAGRAM 177