**INDUSTRIAL SOLID STATE TIMER**

**MODEL 1090**  
DIN PANEL MOUNT

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**SPECIFICATIONS**

**INPUT**
- **VOLTAGE:** 100-240 VAC, 24 VAC/DC, 12VDC
- **FREQUENCY:** 50/60 Hz (AC models)
- **TOLERANCE (VOLTAGE):** -15% to +10% of nominal
- **POWER CONSUMPTION:** 10VA (100-240 VAC)  
  2.5VA (24 VAC)  
  2W (12 VDC & 24VDC)

**OUTPUT**
- **TYPE:** Electromechanical relay
- **MECHANICAL LIFE:** 20,000,000 operations
- **ELECTRICAL LIFE:** 100,000 operations minimum  
  (at full rated load)
- **RATING:** 5A @ 240VAC (resistive)

**TIMING**
- **TYPE:** Multifunction programmable (On Delay, Off Delay,  
  Repeat Cycle On Start, Pulse One-shot, One-shot On/Off, One-shot Off/On and One Cycle Maintained Interval)
- **REPEAT ACCURACY:** ± 0.3% of setting
- **TIMING RANGE:** 0.1 secs to 500 hours in 16 ranges
- **RESET TIME:** 100 msec minimum

**PHYSICAL**
- **OPERATING TEMP.:** -20°C to 50°C (14° to 122°F)
- **TIMING VARIATION VS. TEMP.:** ± 2% maximum
- **MOUNTING:** Plug-In or Panel mount
- **TERMINATION:** 11 pin socket or screw terminals
- **HOUSING:** Polycarbonate
- **DEGREE OF PROTECTION:** IP50(std), IP65(special)

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**ORDERING DATA**

**ORDERING CODE**
- 1090 - 3 - P - 3 - B - 1 - 1

**BASIC MODEL NUMBER**
- 1090

**INPUT VOLTAGE**
- 1 120-240 VAC
- 3 24 VAC/DC
- 5 12 VDC

**TIME RANGE**
- P (Includes the following ranges)
  - **seconds**  minutes  hours  10 hours
  - 0.1 to 1.0  0.1 to 1.0  0.1 to 1.0  1.0 to 10
  - 0.5 to 5.0  0.5 to 5.0  0.5 to 5.0  5.0 to 50
  - 1.0 to 10  1.0 to 10  1.0 to 10  10 to 100
  - 5.0 to 50  5.0 to 50  5.0 to 50  50 to 500

**TIMING FUNCTION**
- 3 Programmable, includes On Delay, Off Delay,  
  Repeat Cycle Off Start, Repeat Cycle On Start, Pulse One-shot, One-shot On/Off, One-shot Off/On and One Cycle Maintained Interval

**OUTPUT**
- B Relay DPDT

**TERMINATION**
- 1 11 pin plug-in base
- 2 Screw terminals

**DEGREE OF PROTECTION**
- 1 IP50 Standard
- 2 IP65 Sealed unit(special order only)

**APPLICABLE ACCESSORIES**
- See accessory section for details
  - 11 pin socket  RP-322
  - 11 pin cable socket  RP-324
  - Panel mount clip  RP-325
  - Stop rings  RP-327

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**WIRING**

**MULTIFUNCTION**

**MULTIPLE TIME RANGES**

The **1090** features 8 programmable timing functions.  
An auto-calibrating dial provides direct reading of time setting in each of 16 programmable time ranges from 0.1 seconds to 500 hours. Operating voltage options cover 12VDC to 240VAC. LED indicators for Power and Contact status.

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**DIMENSIONS**

Same dimensions as 1081 on previous page

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**Control, Reset and Stop input is accomplished by isolated contact closure between indicated terminals.**