TIME RELAY & MONITORING RELAY
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**Function(s)**

- **Vacuum cleaners for cars.**
- **Operated machines like public operational cycles in air.**
- **A single pulse can initiate and off delay or delayed single shot where both times integrated are separately adjustable.**
- **Differ for more than 10%.**
- **Insensitive against interfering contact wear.**
- **Applied to A1, and should not for differ more than 10%.**
- **For reliable operation it is highly insensitive against interfering voltages.**

**Applications**

- **Loadable control input.**
  - The signal voltage required to trigger terminal B1 of the timer must be taken from the voltage applied to A1, and should not differ for more than 10%.
- **Using a flashing function or the asymmetrical recycle function allows an evaluation of the expected contact wear.**
  - Especially when the repetition is within less than one minute.
- **The recommended connection of the Tele star delta timer allows, due to the two CO contacts, a simple layout of the contactor circuit which is easy to commission.**
  - For contact protection against inductive surge from the contactor coils, please refer to the contactor documentation for compatible RC-Circuits or Varistors.
- **Connect the neutral wire only, if the protected devices use it as well otherwise leave it unconnected.**
  - It is possible to use the E1Y4MV0S10 in a single phase network (L-N = 230V~) when all terminals L1+N2+L3 are connected to L and terminal N with the N-wire.
- **Using a current transformer will expand the measuring range of the items.**
  - During construction please double-check if maximal expected current matches with the overload capacity of the unit.

**Remarks**

- **Function (ON delay) Start equipment after blackout step by step with different time delays to avoid repeated break down.**
- **Function Wu (Single shot) A single pulse can initiate operational cycles in air conditioning and ventilation equipment.**

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FUNCTION OVERVIEW

**E**
- ON delay

**R**
- OFF delay

**Ws**
- Single shot leading edge with control contact

**Wa**
- Single shot trailing edge with control contact

**Es**
- ON delay with control contact

**Wu**
- Single shot leading edge voltage controlled

**Bp**
- Flasher pause first