



Main

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| Range of Product | Harmony Timer Relays |
| Product or Component Type | Modular timing relay |
| Discrete output type | Relay |
| Device short name | RE22 |
| Nominal output current | 8 A |

Complementary

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| Contacts type and composition | 1 C/O timed or instantaneous contact, cadmium free 2 C/O timed contact, cadmium free |
| Time delay type | Off-delay |
| Time delay range | 10...100 s 3...30 h 1...10 s 3...30 s 30...300 h 0.3...3 s 0.05...1 s 30...300 min 30...300 s 3...30 min |
| Control type | Rotary knob Diagnostic button |
| [Us] rated supply voltage | 24...240 V AC/DC 50/60 Hz |
| Release input voltage | ≤ 2.4 V |
| Voltage range | 0.85...1.1 Us |
| Supply frequency | 50...60 Hz ± 5 % |
| Connections - terminals | Screw terminals, 1 x 0.5...1 x 3.3 mm ² AWG 20...AWG 12) solid without cable end Screw terminals, 2 x 0.5...2 x 2.5 mm ² AWG 20...AWG 14) solid without cable end Screw terminals, 1 x 0.2...1 x 2.5 mm ² AWG 24...AWG 14) flexible with cable end Screw terminals, 2 x 0.2...2 x 1.5 mm ² AWG 24...AWG 16) flexible with cable end |
| Tightening torque | 5.3...8.9 lbf.in (0.6...1 N.m) IEC 60947-1 |
| Housing material | Self-extinguishing |
| Repeat accuracy | ± 0.5 % IEC 61812-1 |
| Temperature Drift | ± 0.05 %/°C |
| Voltage drift | ± 0.2 %/V |
| Setting accuracy of time delay | ± 10 % of full scale 25 °C IEC 61812-1 |
| Control signal pulse width | 100 Ms with load in parallel 30 ms |
| Insulation resistance | 100 MOhm 500 V DC IEC 60664-1 |
| Recovery time | 120 ms on de-energisation |
| Immunity to microbreaks | 10 ms |
| Power consumption in VA | 3 VA 240 V AC |

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| Power consumption in W | 1.5 W 240 V DC |
| Switching capacity in VA | 2000 VA |
| Minimum switching current | 10 mA 5 V DC |
| Maximum switching current | 8 A |
| Maximum switching voltage | 250 V AC |
| Electrical durability | 100000 Cycles, 8 A at 250 V, AC-1 100000 cycles, 2 A at 24 V, DC-1 |
| Mechanical durability | 10000000 cycles |
| Rated impulse withstand voltage | 5 kV 1.2...50 µs IEC 60664-1 |
| Power on delay | 100 ms |
| Creepage distance | 4 kV/3 IEC 60664-1 |
| Overvoltage category | III IEC 60664-1 |
| Safety reliability data | MTTFd = 251.1 years B10d = 230000 |
| Mounting position | Any position |
| Mounting support | 35 mm DIN rail conforming to IEC 60715 |
| Status LED | Green LED backlight steady)dial pointer indication Yellow LED steady)output relay energised Yellow LED fast flashing)timing in progress and output relay de-energised Yellow LED slow flashing)timing in progress and output relay energised |
| Function available | C- Off-delay relay w/ control signal-2 C/O |
| Width | 0.9 in (22.5 mm) |
| Net Weight | 0.231 lb(US) (0.105 kg) |
| Control Type | With test button |
| Number of functions | 1 |

Environment

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|---------------------------------------|--|
| Dielectric strength | 2.5 kV 1 mA/1 minute 50 Hz between relay output and power supply basic insulation IEC 61812-1 |
| Standards | UL 508 IEC 61812-1 |
| Directives | 2006/95/EC - low voltage directive 2004/108/EC - electromagnetic compatibility |
| Product Certifications | CSA[RETURN]CCC[RETURN]RCM[RETURN]CE[RETURN]GL[RETURN]UL[RETURN]EAC |
| Ambient Air Temperature for Operation | -4...140 °F (-20...60 °C) |
| Ambient Air Temperature for Storage | -40...158 °F (-40...70 °C) |
| IP degree of protection | IP40 housing: conforming to IEC 60529 IP20 terminals: conforming to IEC 60529 IP50 front panel: conforming to IEC 60529 |
| Pollution degree | 3 IEC 60664-1 |
| Vibration resistance | 20 m/s² 10...150 Hz)IEC 60068-2-6 |
| Shock resistance | 15 gn not operating 11 ms IEC 60068-2-27 5 gn in operation 11 ms IEC 60068-2-27 |
| Relative humidity | 95 % 77...131 °F (25...55 °C) |
| Electromagnetic compatibility | Fast transients immunity test - test level: 1 kV level 3 (capacitive connecting clip) conforming to IEC 61000-4-4 Surge immunity test - test level: 1 kV level 3 (differential mode) conforming to IEC 61000-4-5 Surge immunity test - test level: 2 kV level 3 (common mode) conforming to IEC 61000-4-5 Electrostatic discharge - test level: 6 kV level 3 (contact discharge) conforming to IEC 61000-4-2 Electrostatic discharge - test level: 8 kV level 3 (air discharge) conforming to IEC 61000-4-2 Radiated radio-frequency electromagnetic field immunity test - test level: 10 V/m level 3 (80 MHz...1 GHz) conforming to IEC 61000-4-3 Conducted RF disturbances - test level: 10 V level 3 (0.15...80 MHz) conforming to IEC 61000-4-6 Fast transient bursts - test level: 2 kV level 3 (direct contact) conforming to IEC 61000-4-4 Immunity to microbreaks and voltage drops - test level: 30 % (500 ms) conforming to IEC 61000-4-11 Immunity to microbreaks and voltage drops - test level: 100 % (20 ms) conforming to IEC 61000-4-11 |

Ordering and shipping details

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|-------------------|---------------|
| Category | US10CP222376 |
| Discount Schedule | 0CP2 |
| GTIN | 3606480792502 |
| Returnability | Yes |
| Country of origin | ID |

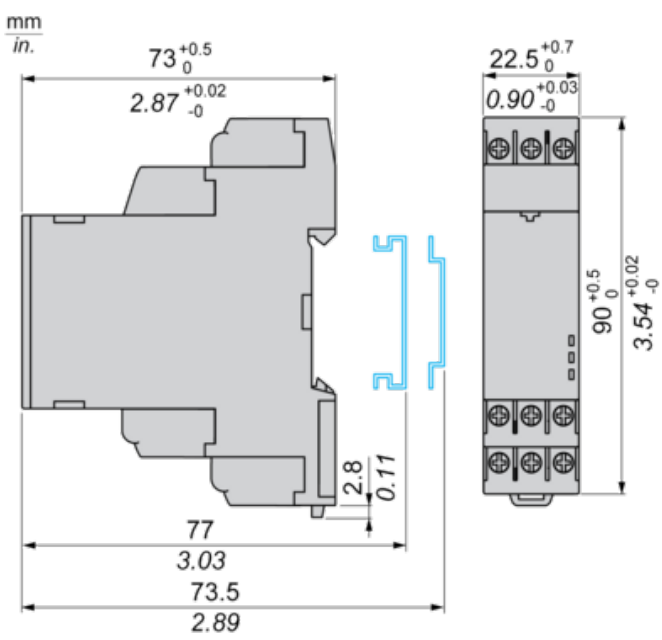
Packing Units

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|------------------------------|--------------------------|
| Unit Type of Package 1 | PCE |
| Number of Units in Package 1 | 1 |
| Package 1 Height | 3.2 in (8.2 cm) |
| Package 1 Width | 3.7 in (9.5 cm) |
| Package 1 Length | 1.02 in (2.6 cm) |
| Package 1 Weight | 3.8 oz (108.0 g) |
| Unit Type of Package 2 | S02 |
| Number of Units in Package 2 | 40 |
| Package 2 Height | 5.9 in (15.0 cm) |
| Package 2 Width | 11.8 in (30.0 cm) |
| Package 2 Length | 15.7 in (40.0 cm) |
| Package 2 Weight | 10.527 lb(US) (4.775 kg) |
| Unit Type of Package 3 | PAL |
| Number of Units in Package 3 | 640 |
| Package 3 Height | 19.7 in (50.0 cm) |
| Package 3 Width | 23.6 in (60.0 cm) |
| Package 3 Length | 31.5 in (80.0 cm) |
| Package 3 Weight | 189.99 lb(US) (86.18 kg) |

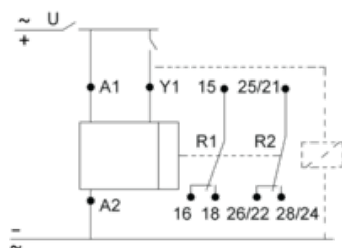
Offer Sustainability

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|----------------------------|---|
| Sustainable offer status | Green Premium product |
| California proposition 65 | WARNING: This product can expose you to chemicals including: Lead and lead compounds, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov |
| REACH Regulation | REACH Declaration |
| EU RoHS Directive | Pro-active compliance (Product out of EU RoHS legal scope) |
| Mercury free | Yes |
| China RoHS Regulation | China RoHS Declaration |
| RoHS exemption information | Yes |
| Environmental Disclosure | Product Environmental Profile |
| Circularity Profile | End Of Life Information |

Dimensions



Wiring Diagram

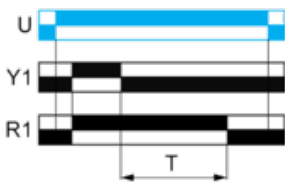


Function C: Off-Delay Relay with Control Signal

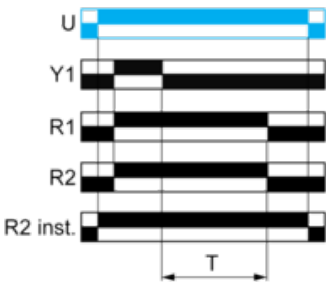
Description

After energisation of power supply and energization of Y1 causes output(s) R close(s). When Y1 deenergizes, timing T starts. At the end of this timing period T, the output(s) R revert(s) to its/their initial position. The second output (R2) can be either timed (when set to "TIMED") or instantaneous (when set to "INST").

Function: 1 Output



Function: 2 Outputs



Legend

- Relay de-energised
- Relay energised
- Output open
- Output closed

Table with 2 columns: Symbol, Description. Rows include U (Supply), T (Timing period), R1/R2 (2 timed outputs), R2 inst. (The second output is instantaneous if the right position is selected), and Y1 (Retrigger / Restart control).