

◆ **Technical Data:**

Model:PR-E-16DC-DA-R

RIEV/TECH



1.16 pcs extensions can be applied to the PR-18 or PR-24 CPU
 2.Connection cable length can be customized(Max. 30 Meters for the distance between the end extension and CPU)

Technical Index

| Power supply: | |
|---|---|
| Nominal voltage | DC 12-24V |
| Operating limits | DC 10.8-28.8V |
| Immunity from micro power cuts | Typ.5 ms |
| Max. Startup current | Max. 0.25A |
| Max. absorbed power | 3.5 W (10.8V dc) ; 4.5 W (28.8V dc) |
| Protection against polarity inversions | Yes |
| Input parameters: | |
| Input No | 8 (I1-I8) |
| Digital input | 8 (I1-I8) |
| Analogue input | 4 (I1-I4)(0..10V DC) |
| Digital inputs(I5-I8) | |
| Input voltage | DC0-28.8V |
| Input signal0 | < 5V DC; <1mA |
| Input signal1 | > 8 V DC;>1.7mA |
| Input current | 2.3mA @ 10.8V dc 2.6mA @ 12.0 V dc 5.2 mA @ 24 V dc 6.3 mA @ 28.8 V dc |
| Response time | 0 to 1 : <1 ms ; 1 to 0 : <1 ms |
| Maximum counting frequency | 4 Hz(I5--I8) |
| Sensor type | Contact or 3-wire PNP |
| Input type | Resistive |
| Isolation between power supply and inputs | None |
| Isolation between inputs | None |
| Inputs used as digital inputs(I1-I4) | |
| Input voltage | DC0-28.8V |
| Input signal0 | < 5V DC;<0.1mA |
| Input signal1 | > 8 V DC;>0.3mA |
| Input current | 0.4mA @ 10.8V dc 0.5mA @ 12.0 V dc 1.2mA @ 24 V dc 1.5mA @ 28.8 V dc |

| | |
|---|---|
| Response time | 0 to 1 : Typ. 1.5 ms ; 1 to 0 : Typ. 1.5 ms |
| Maximum counting frequency | Typ.: 4 HZ |
| Sensor type | Contact or 3-wire PNP |
| Input type | Resistive |
| Isolation between power supply and inputs | None |
| Isolation between inputs | None |
| Inputs used as analog inputs(I1-I4) | |
| Measurement range | DC 0---10V |
| Input impedance | Min, 24K Ω ; Max. 72K Ω |
| Input voltage | 28.8 V DC max |
| Resolution | 9bit ,0.015V |
| Accuracy at 25 °C | \pm (Max.0.03)V |
| Accuracy at 55 °C | \pm (Max.0.06)V |
| Isolation between analog channel and power supply | None |
| Cable length | 10 m max. shielded and twisted |
| Output parameters: | |
| Output No. | 8 (Q1-Q8) |
| Output type | Relay output |
| Continuous current | (Q1-Q4) Resistive load 3A/Inductive load 1A (Q5-Q8) Resistive load 10A/Inductive load 2A |
| Max. breaking voltage | AC 250 V DC 110 V |
| Max. Allowable Power Force | (Q5-Q8)1250VA 300W (Q1-Q4) 500VA 100W |
| Electrical durability Expectancy | 10 ⁵ Operations at Rated Resistive Load |
| Mechanical life | 10 ⁷ Operations at No Load condition |
| Response time | Operate Time : 15 mSec. Max. Release Time : 10 mSec. Max. |
| Built-in protections | Against short-circuits: None Against overvoltages and overloads: None |
| Switch frequency: | |
| Mechanism | 10Hz |
| Resistor/light load | 2Hz |
| Sensitive load | 0.5Hz |
| Other parameters: | |
| Operation temp | -20°C-55°C |
| Storage temp | -40°C-70°C |
| Weight | Approx.300g |

Installation Dimensions & Wiring Diagram

