



# KV-16DT

Base Unit, DC Type, 10 Inputs and 6 Transistor (Sink) Outputs



\*Please note that accessories depicted in the image are for illustrative purposes only and may not be included with the product.

⚠ This model has been discontinued.

Contact Us: 1-888-539-3623

Compliance with the certification standard is ensured as of the time of shipment from our company.

Recommended Replaceable Products: [Base Unit, DC power supply type, Input 14 points/output 10 points, transistor \(sink\) output - KV-N24DT](#)

## Specifications

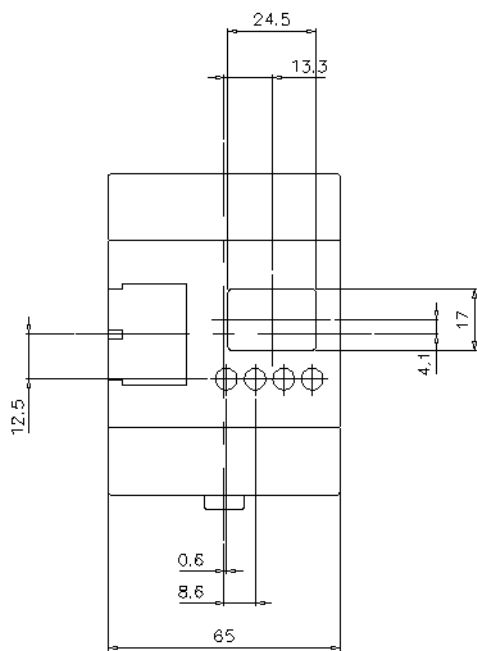
|                                     |  |                                 |   |
|-------------------------------------|--|---------------------------------|---|
| Model                               |  |                                 | KV-16DT   |
| Type                                |  |                                 | DC power supply type base unit  |
| Input power supply voltage          | Base unit  |                                 | 24 VDC (+ 10%, -20%)  |
| Allowable instantaneous outage time |  |                                 | Less than 2 ms  |
| General specifications              | Internal current consumption (24 VDC conversion value) | Base unit                       | 90mA or less  |
|                                     |  | Expansion unit                  | KV-E4X 20mA or less KV-E8X 25mA or less KV-E16X 35mA or less KV-E4T 25mA or lessKV-E8T (P) 40mA or less KV-E16T 60mA or less KV-E4R 40mA or less KV-E8R 70mA or lessKV-E16TP 70mA or less KV-E4XT (P) 30mA or less KV-E4XR 45mA or less KV-E16R 110mA or less   |
|                                     |  | Other                           | Operator panel KV-D20: 60 mA or less KL link adapter KL-N10V: 35 mA or less Programming console KZ-P3: 65 mA or less  |
|                                     | Environmental resistance                               | Operating temperature range     | 0 to 50°C 32 to 122°F (no freezing), 0 to 45°C 32 to 113°F (KZ-P3)  |
|                                     |  | Operating ambient humidity      | 35 to 85% RH (no condensation)  |
|                                     |  | Ambient temperature for storage | -20 to 70°C -4 to 158°F (no freezing)   |
|                                     |  | Withstand voltage               | 1,500 VAC for 1 minute (between the power supply terminal and the I/O terminals and between all the external terminals and the case)  |
|                                     |  | Noise resistance                | 1,500 Vp-p or more, pulse width: 1 μs, 50 ns (by way of a noise simulator), conforms to EN standards (EN 61000-4-2/-3/-4/-6)  |
|                                     |  | Shock resistance                | Conforms to JIS C 0041, 150 m/s <sup>2</sup> (15 G), operating time: 11 ms, 2 times in each of the 3 axial directions   |
|                                     | Weight   | Base unit                       | Approx 180g   |
|                                     | Insulation resistance                                  |                                 | 50 MΩ or more (tested with a 500 VDC megger, between the power supply terminal and the input terminal and between all the external terminals and the case)  |
|                                     | Environmental resistance                               | Ambient operating atmosphere    | Minimal amount of dust and corrosive gas present  |
|                                     | Weight   | Expansion unit                  | KV-E4X: Approx 80 g, KV-E8X: Approx 100 g, KV-E16X: Approx 130 g, KV-E4T: Approx 80 g, KV-E8T (P): Approx 100 g, KV-E16T (P): Approx 130 g, KV-E4R: Approx 100 g, KV-E8R: Approx 130 g, KV-E16R: Approx 190 g, KV-E4XT (P): Approx 100 g, KV-E4XR: Approx 120 g |
|                                     |  | Other                           | KZ-P3 Approx 230g KV-D20 Approx 160g KL-N10V Approx 80g   |

|  |                         |                           |                            |                          |
|--|-------------------------|---------------------------|----------------------------|--------------------------|
|  | Vibration<br>resistance | Intermittent<br>vibration | Frequency: 10<br>to 57 Hz  | Amplitude: 0.075 mm*1    |
|  |                         |                           | Frequency: 57<br>to 150 Hz | Acceleration: 9.8 m/s2*1 |
|  |                         | Continuous<br>vibration   | Frequency: 10<br>to 57 Hz  | Amplitude: 0.035 mm*1    |
|  |                         |                           | Frequency: 57<br>to 150 Hz | Acceleration: 4.9 m/s2*1 |

\*1 Conforms to JIS B 3502, IEC61131-2  
Number of sweeps: 10 times respectively in the X, Y, and Z directions, 80 minutes

# Dimensions

\* Download CAD file or product manual for larger image/text and more detail.



Kv-16d

