

INTELLPAK DC Converter (non-isolation type) | IP50DCD

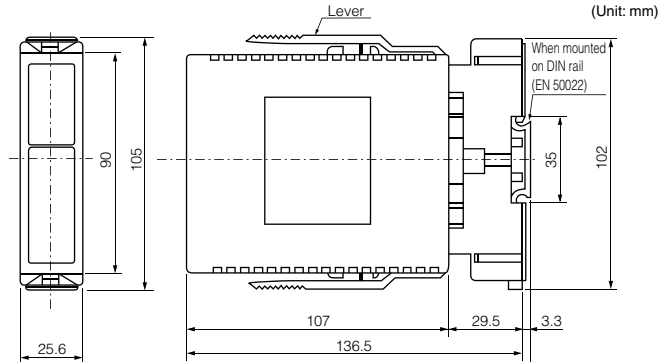
The INTELLPAK IP50DCD is a thin plug-in non-isolated DC converter used to amplify and convert input signals at a varying level to a standard signal for a measurement control system.



Specifications

| | | | | |
|------------------------|----------------------------|--|-----------------------------|----------------|
| Input | Input type | DC voltage and DC current , Refer to Table 1. | | |
| Output | Output type | DC voltage and DC current , Refer to Table 2. | | |
| General specifications | Accuracy | ±0.1% FS at the reference temperature of 23 °C | | |
| | Response time | 25 ms for 90% response time | | |
| | Power supply type | AC | | DC |
| | Rated power supply voltage | 100/110/120 Vac 50/60 Hz | 200/220/240 Vac 50/60 Hz | 24 Vdc |
| | Power consumption | Approx. 4.5 VA | | Approx. 2.2 VA |
| | Weight | Approx. 200 g (including base socket) | | |

External dimensions



Model No. configuration

Ex.: IP50DCD10AAT0

| Basic model No. | Input type | Output type | Power supply voltage | Addition | Description |
|-----------------------|-----------------------|-------------|----------------------|----------|--|
| IP50DCD | | | | | DC converter (non-isolation type) |
| Select from Table 1 ▶ | Select from Table 2 ▶ | | | | |
| | | | A | | 100/110/120 Vac 50/60 Hz |
| | | | B | | 200/220/240 Vac 50/60 Hz |
| | | | D | | 24 Vdc |
| | | | 00 | | None |
| | | | T0 | | Tropicalization treatment |
| | | | D0 | | Inspection certificate |
| | | | B0 | | Tropicalization treatment + inspection certificate |
| | | | Y0 | | Supports traceability certification |

Table 1. Input list

| Additional code | Input type | Input impedance |
|-----------------|-------------|-----------------|
| 10 | 0 to 10 mV | 1 MΩ |
| 11 | 0 to 100 mV | 1 MΩ |
| 12 | 0 to 1 V | 1 MΩ |
| 13 | 0 to 5 V | 1 MΩ |
| 14 | 1 to 5 V | 1 MΩ |
| 15 | 0 to 10 V | 1 MΩ |
| 16 | 0 to 50 mV | 1 MΩ |
| 17 | 0 to 60 mV | 1 MΩ |
| 18 | 0 to 30 V | 1 MΩ |
| 19 | 0 to 50 V | 1 MΩ |
| 20 | ±10 mV | 1 MΩ |
| 21 | ±50 mV | 1 MΩ |
| 22 | ±100 mV | 1 MΩ |
| 23 | ±1 V | 1 MΩ |
| 24 | ±5 V | 1 MΩ |
| 25 | ±10 V | 1 MΩ |
| 30 | 0 to 10 μA | 1 kΩ |
| 31 | 0 to 100 μA | 100 Ω |
| 32 | 0 to 1 mA | 100 Ω |
| 33 | 0 to 10 mA | 50 Ω |
| 34 | 0 to 16 mA | 50 Ω |
| 35 | 0 to 20 mA | 50 Ω |
| 36 | 4 to 20 mA | 50 Ω |
| 40 | ±1 mA | 100 Ω |
| 41 | ±20 mA | 50 Ω |

Table 2. Output list

| Additional code | Output type | Allowable load resistance |
|-----------------|-------------|---------------------------|
| A | 4 to 20 mA | 750 Ω or less |
| B | 1 to 5 mA | 3 kΩ or less |
| C | 2 to 10 mA | 1.5 kΩ or less |
| D | 0 to 1 mA | 15 kΩ or less |
| E | 0 to 10 mA | 1.5 kΩ or less |
| F | 0 to 16 mA | 937 Ω or less |
| G | 0 to 20 mA | 750 Ω or less |
| H | 1 to 5 V | 2.5 kΩ or more |
| J | 0 to 10 mV | 10 kΩ or more |
| K | 0 to 100 mV | 100 kΩ or more |
| L | 0 to 1 V | 500 Ω or more |
| N | 0 to 5 V | 2.5 kΩ or more |
| P | 0 to 10 V | 5 kΩ or more |
| R | ±10 V | 5 kΩ or more |

Optional parts (separately sold)

| Name | Model No. |
|-----------------------------|-----------|
| Vibration isolation bracket | QN718A |

Note: In IP50DCD, the input type 0 to 10 μA can be selected, but it cannot be used for converting the frame current of protect relay and frame relay.