

INTELLPAK Gradient Response Computing Unit | IP50DRA/DRC

The INTELLPAK IP50DRA/DRC is a thin plug-in gradient response computing unit that produces a DC signal output changing at a fixed gradient against an input DC signal.

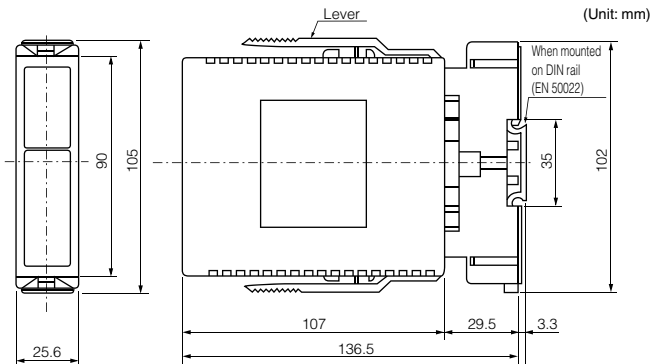
If the input signal changes at a rate higher than the preset gradient, the output signal changes at the set gradient, but the output follows the input if the change is slower than the set gradient.



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		
	Gradient	Variable between 0.5 to 40 s (against change of input from 0 to 100%)		
	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.: IP50DRA10ADT0

Basic model No.	Input type	Output type	Power supply voltage	Addition	Description
IP50DRA					Non-isolation type gradient response computing unit
IP50DRC					Isolation type gradient response computing unit
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 types

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
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

Note: Input type 0 to 10 μA can be selected, but it cannot be used for converting the flame current of a Protectorelay or flame relay.

Table 2. Output types

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

Optional parts (separately sold)

Name	Model No.
Vibration isolation bracket	QN718A