

KG20

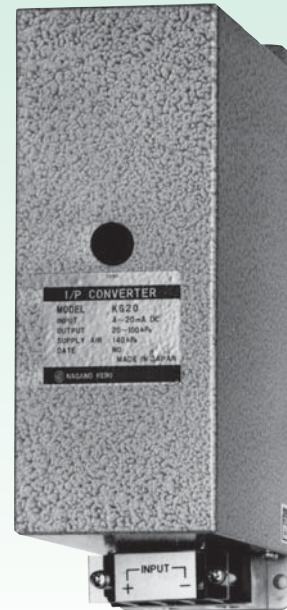
I/P Converter

Overview

This KG20 I/P Converter is used when operating the pneumatic operating unit such as a diaphragm operated control valve, which converts the 4 to 20mA DC signal current into a signal pressure of 20 to 100kPa in proportion to it.

Features

- Because both air pressure connection and analog input terminal block are located on outside, the connection work is easy.
- Zero adjustment can be performed from the front side without removing the cover.
- Because the control panels are mainly installed in the front side and the bottom side, it can be installed close to the devices.



Specifications

Installation environment:

Install in location where no gases or liquids may exist that have the potential to become flammable or ignitable under normal operating condition

Mounting:

Surface mounting

Connection:

Rc 1/4, 1/4NPT Female

Wetted parts:

A5056BD, Chloroprene (CR), C3604BD,
SUS304, C5191P-H

Input signal:

4 to 20mA DC

Operating temperature range:

-10°C to 50°C (Non-freezing or condensing)

Input resistance:

Approx. 200Ω to 250Ω

Supply air pressure:

140±10kPa

Air consumption:

Approx. 3L/minute (Normal) [At 50% balance]

Output signal:

20 to 100kPa

Accuracy:

±0.75%F.S. or ±1.5%F.S.

Enclosure:

Indoor use

Case finishing:

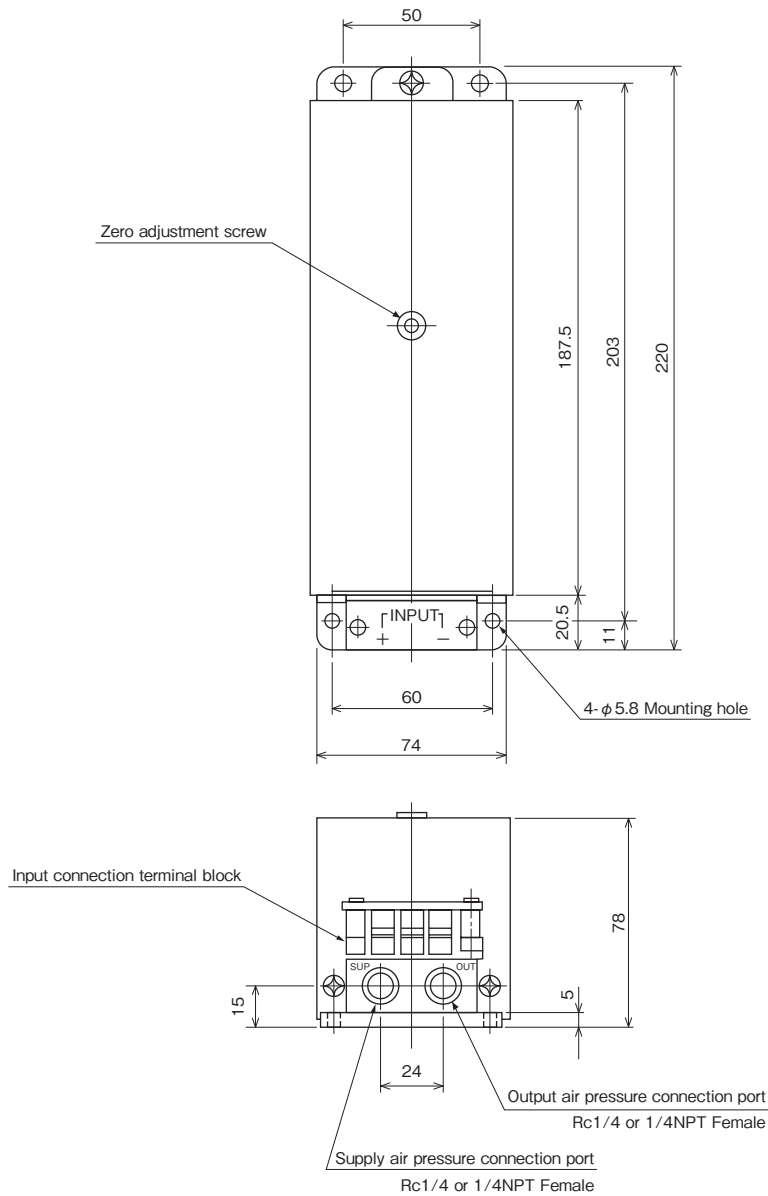
Gray crystal paint

Weight:

Approx. 2.2kg

Dimensions

Unit: mm



Installation

1. 4 pcs. of M5 to fix mounting.
2. Ensure installation that it is not exposed to the rain or vibration.
3. Always flush the air pressure piping.
4. The capacity of output side should be designed as 200ml or higher.
(Note: When the capacitance less than 200ml is required, custom model can be made with accuracy $\pm 1.5\%$ only.
Please contact us for the need.)

Model number configuration

Please specify the model number and each specification for ordering.

Model			I/P Converter											
Model number			Product specifications						Additional specifications (Optional)					
① Mounting	1	Surface mounting	④	⑤	⑥	⑦	⑧	⑨	⑩	⑪	⑫	⑬	⑭	⑮
② Connection	5	Rc1/4												
	6	1/4NPT Female												
③ Output signal	C	20 to 100kPa (Supply air pressure 140±10kPa)												
④ Accuracy	6	±0.75%F.S.												
	8	±1.5%F.S.												
⑮ Documents	0	Documents												
	1	Required (Documents available upon request) Datasheet (Drawing / Specifications) Instruction manual Inspection procedure Mill test report Calibration test report (One-part one sheet) Strength calculation sheet Attending inspection												

[Scope of manufacturing]

- When requiring capacitance less than 200ml, please contact us.

* Specify code "X" to refer N/A