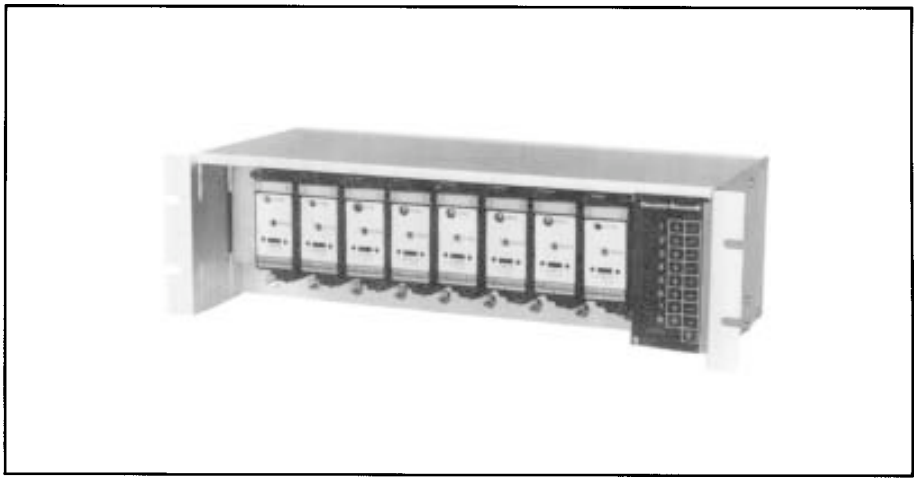
YAMATAKE Specification

SystempaK
Multi-I/P Converter
Model KUX111 (Multi-I/P Converter)
Model KUX118 (Converting Module)

Introduction

Multi-I/P Converter (Model KUX 111) accommodates up to 8 units of converting modules, each of which converts an electrical current signal into a pneumatic pressure signal. The instruments are of a 2-wire type and are extremely compact. They are ideal for highly packed interfacing instruments for digital control systems.



Standard Specifications

Item	Specificafions
Input Signal	4~20mADC (Limit current: Approx. 30mA)
Input Resistance	300 ohms MAX.
Output Signal	0.2~1.0kgf/cm²{20~98kPa}, 3~15psi, 0.2~1.0bar, 20~100kPa (Rated pressure: 2kgf/cm²{200kPa})
Air Supply	1.4kgf/cm²{140kPa} $^{+30\%}_{-10\%}$
Air Consumption	4Nℓ/minute (per module) max.
Max. Pneumatic Delivery	20Nℓ/minute (per module)
Max. Pneumatic Exhaust	20Nℓ/minute (per module)
Minimum Load	ID 4mm copper pipe×3m+20m³
Electrical Connection	With binding screws (M3×6mm)
Air Connection	Rc¼, ¼ NPT, internal thread
Ambient Temperature	0 to 50°C
Ambient Humidity	10 to 90% RH
Accuracy	±0.25% FS
Hysteresis Error	0.15% FS
Temperature Characteristics	Zero shift: ±1% FS/25°C max. Span shift: ±1% FS/25°C max.
Structure	Indoor installation type
Mounting	Wall mount, 19" Rack mount (EIA, RS-310-B)
Weights	Multi-I/P Converter with 8 modules: Approx. 8.2kg Converting Module: Approx. 0.4kg

Model Number Table

1) Multi-I/P Converter

Basic Model No.	Selections							Options	Description
	Power Supply	Input	Output	Connection	Module	Mounting	Environment		
KUX111									Multi-I/P Converter
	–X								None
		1							4~20mA DC
			1						0.2~1.0kgf/cm² {20~98kPa}
			2						3~15psi
			3						0.2~1.0bar
			4						20~100kPa
				A					Rc¼
				B					¼ NPT, internal thread
					0				File only
					1				File + 1 Converting Module
					2				File + 2 Converting Modules
					3				File + 3 Converting Modules
					4				File + 4 Converting Modules
					5				File + 5 Converting Modules
					6				File + 6 Converting Modules
					7				File + 7 Converting Modules
					8				File + 8 Converting Modules
						C			19-inch rack mount
						S			Wall mount
							X		Standard
							A		For tropical service (Upon special order)
							B		Corrosive atmosphere (Upon special order)
								–X	No options

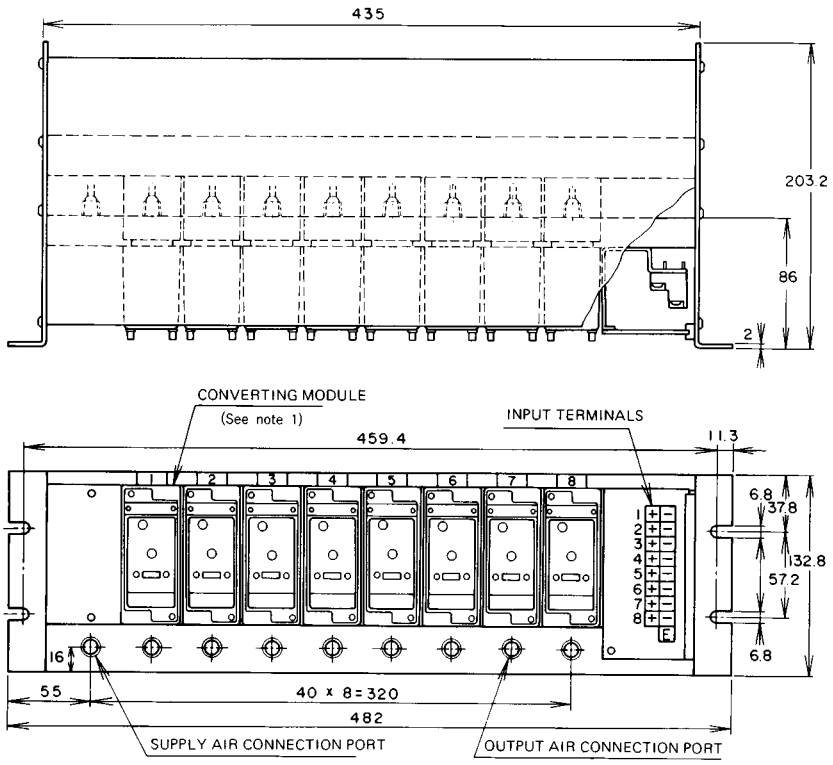
2) Converting Module

Basic Model No.	Selections				Options	Description
	Power Supply	Input	Output	Environment		
KUX118						Converting Module
	–X					None
		1				4~20mA DC
			1			0.2~1.0kgf/cm² {20~98kPa}
			2			3~15psi
			3			0.2~1.0bar
			4			20~100kPa
				X		Standard
				A		For tropical service (Upon special order)
				B		Corrosive atmosphere (Upon special order)
					–X	No options

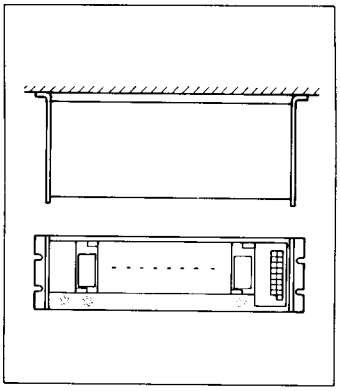
Dimension Drawing

1) Multi-I/P Converter

Rack-mount type (See note-3)

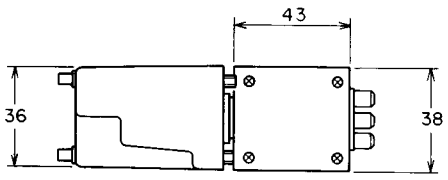


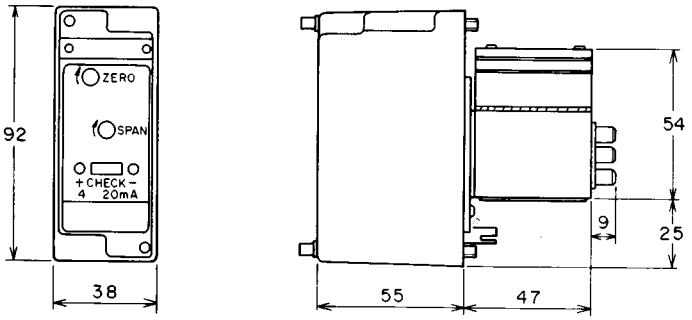
Wall-mount type (See note-2 & 3)



Notes: 1) The blind plate is attached to the place without Converting Module.
2) Dimensions for wall-mount type are identical to those for rackmount type except the bracket for chassis is at the rear.
3) Provide a space more than 200mm when more than two units are mounted upward and downward directions.

2) Converting Module





Specifications are subject to change without notice.

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