

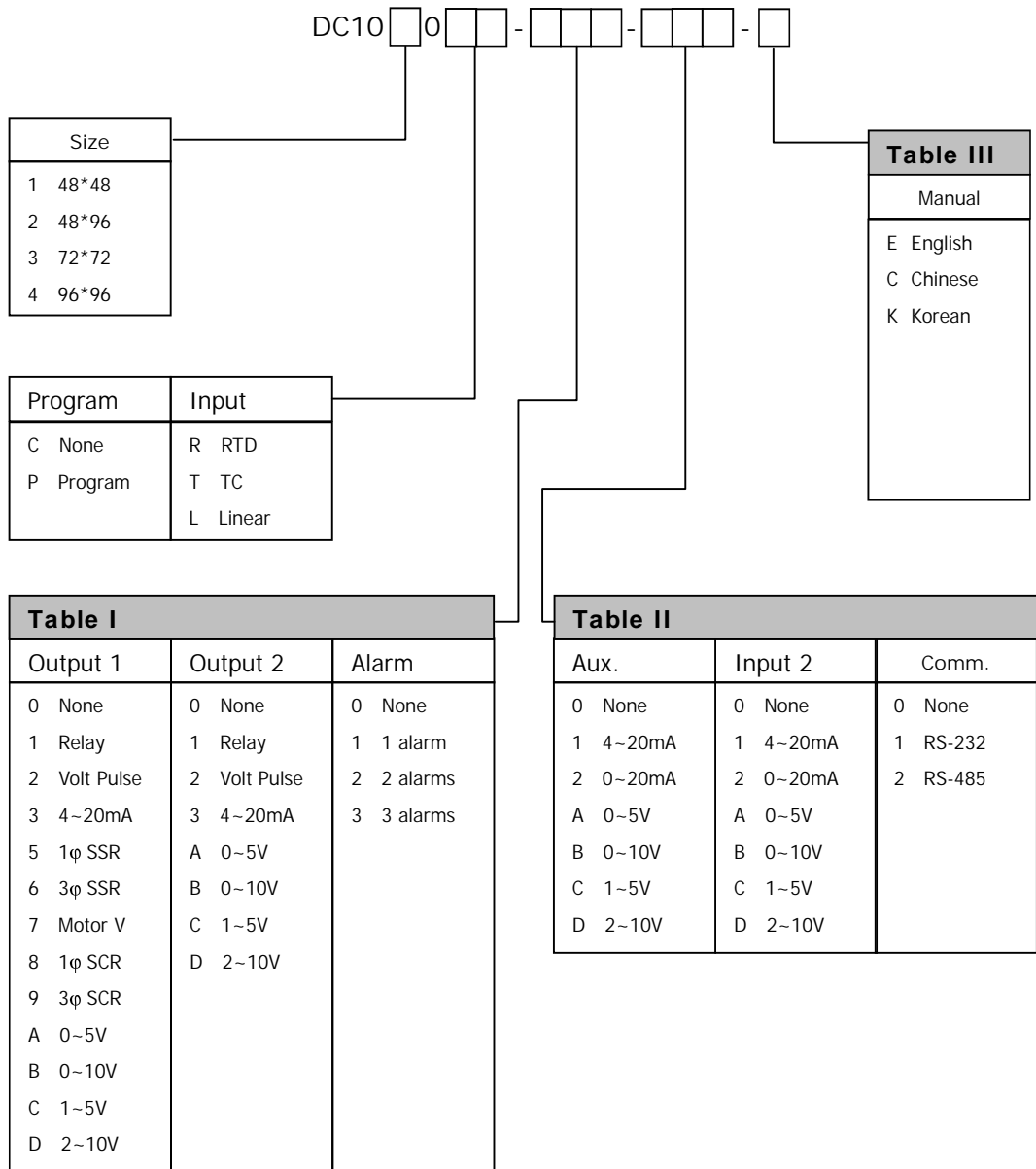
# 1. Installation



## CAUTION

Installation should be performed only by personnel who are technically competent to do so. Local Regulations regarding electrical & safety must be observed.

### 1.1 Model Number Interpretation



## 1.2 Specification

TECHNICAL DATA			
PV Input	Type of Input	TC (K, J, R, S, B, E, N, T, W, PL II, U, L) RTD (Pt100Ω, JPt100Ω, JPt50Ω) Linear (-10~10mV, 0~10mV, 0~20mV, 0~50mV, 10~50mV)	
	Input Sampling Time	500 ms	
	Input Resolution	14 bit (each)	
Indication	PV/SP Indication	4-digit, 7 segment display	
	Constant Value Storage System	Non-volatile memory (EEPROM)	
	Indication Accuracy	± 0.5%FS	
Control Mode	Proportional Band (P)	0~200% (On/Off action at P=0)	
	Integral Time (I)	0~3600 sec (PD action at I=0)	
	Derivative Time (D)	0~900 sec (PI action at D=0)	
	Cycle Time	0~150 sec (4~20mA→0, SSR→1, relay→10)	
	Dead Band Time	0~1000 sec (dead time compensation)	
Output	Relay Output	Contact, SPDT, 3A/240VAC	
	Voltage Output	Voltage Pulse, 20VDC/20mA	
	Linear Output	4~20mA, 0~5V, 0~10V, 1~5V, 2~10V	
	Motor Control Output	Servo motor valve control (open loop circuit)	
	Others	1φ SSR, 3φ SSR, 1φ SCR, 3φ SCR	
Alarm	Channel	3 channels (optional)	
	Mode	17 alarm mode available	
	Timer	Flicker alarm, continued alarm, on delay timer alarm	
Aux. Output	Output Signal	SP, PV, MV	
	Type of Output	4~20mA, 0~20mA, 0~5V, 0~10V, 1~5V, 2~10V	
2 <sup>nd</sup> Input (RSP)	Type of Input	4~20mA, 0~20mA, 0~5V, 0~10V, 1~5V, 2~10V	
	Sampling Time	250 m	
Program	Pattern/Segment	2 pattern/ 8 segment (each)	
	Availability	Pattern link & repeat, program/segment end alarm	
Communication	Type of Communication	RS-232, RS-485	
General Specifications	Rated Power Supply Voltage & Frequency	AC 85~265V, 50/60Hz	
	Power Consumption	4VA	
	Ambient Temperature	-25°C~65°C	
	Ambient Humidity	50~85% RH (no condensation)	
INPUT ACTUATIONS			
TC	K	0.0~200.0, 400.0, 600.0, 800.0, 1000, 1200 °C	
	J	0.0~200.0, 400.0, 600.0, 800.0, 1000, 1200 °C	
	R	0.0~1600, 1769 °C	
	S	0.0~1600, 1769 °C	
	B	0.0~1820 °C	
	E	0.0~800, 1000 °C	
	N	0.0~1200, 1300 °C	
	T	-199.9~400.0, 200.0 °C, 0.0~350.0 °C	
	W	0.0~2000, 2320 °C	
	PL II	0.0~1300, 1390 °C	
	U	-199.9~600.0, 200.0 °C, 0.0~400.0 °C	
L	0.0~400.0, 800.0 °C		
RTD	Pt100	-199.9~600.0, 400.0, 200.0 °C, 0.0~200.0, 400.0, 600.0 °C	
	JPt100	-199.9~600.0, 400.0, 200.0 °C, 0.0~200.0, 400.0, 600.0 °C	
	JPt50	-199.9~600.0, 400.0, 200.0 °C, 0.0~200.0, 400.0, 600.0 °C	
Linear	AN1	-10~10mV	
	AN2	0~10mV	
	AN3	0~20mV	
	AN4	0~50mV	0~20mA, 0~1V, 0~5V, 0~10V
	AN5	10~50mV	4~20mA, 1~5V, 2~10V