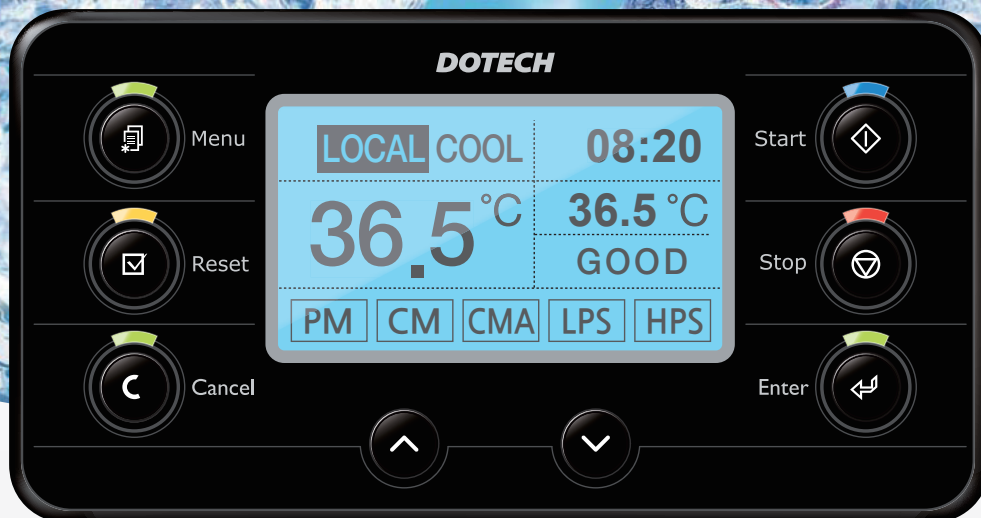


innovation with reliability

DOTECH
SENSING & CONTROL



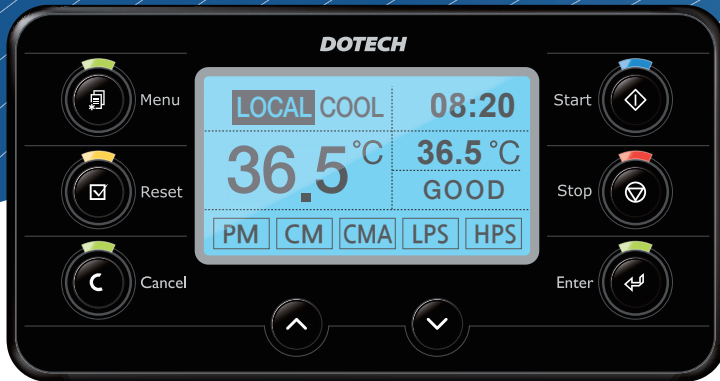
CX9230 series*

Smart Chiller Controller **CX9230**

- High precision super PID control algorithm completed by autotuning technologies
- Accurate temperature measurement and rapid and elaborate noise filtering
- Powerful Trip Data Log(Max. 100)
- Various I/O controls
- Multilingual support for menus and parameters(Korean/English)

DOTECH, INC

Smart Chiller Controller CX9230



CX9230 series®

***The World Best High Precision Super PID Control Algorithm**

With super PID control algorithm developed by Dotech's innovative technologies, the precise $\pm 0.1^{\circ}\text{C}$ control based on auto tuning is provided at unbelievable price. CX9230 transforms your chiller into a smart one.

***Dual Sensor Input Processing**

Dual sensors culminated by Dotech's temperature control technologies and knowhows measure the inlet and outlet temperatures and remove the noise rapidly and elaborately. Sensored temperatures set according to each proportion enables an ideal temperature control.

***Powerful Trip Data Log**

Like DX Series, CX has a powerful trip data log. Up to 100 events can be traced and operators can handle the situations flexibly and exactly.

***Various Analog Outputs**

2-channel analog outputs(4~20mA) are for heating/cooling control and can be applied to computed heating/cooling or condenser fan control. SSR control output can be set easily.

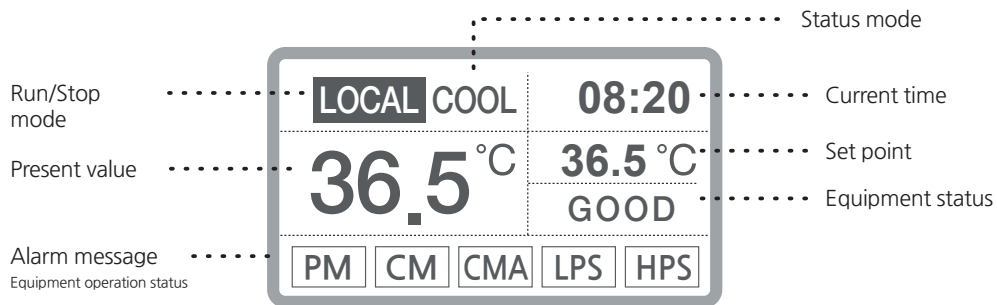
***Multilingual Support**

Multilanguages are supported(Korean and English).

***Flexible and Reasonable Choice at Competitive Price**

Depending on the requirements and applications, the desired one can be selected among the specified models.

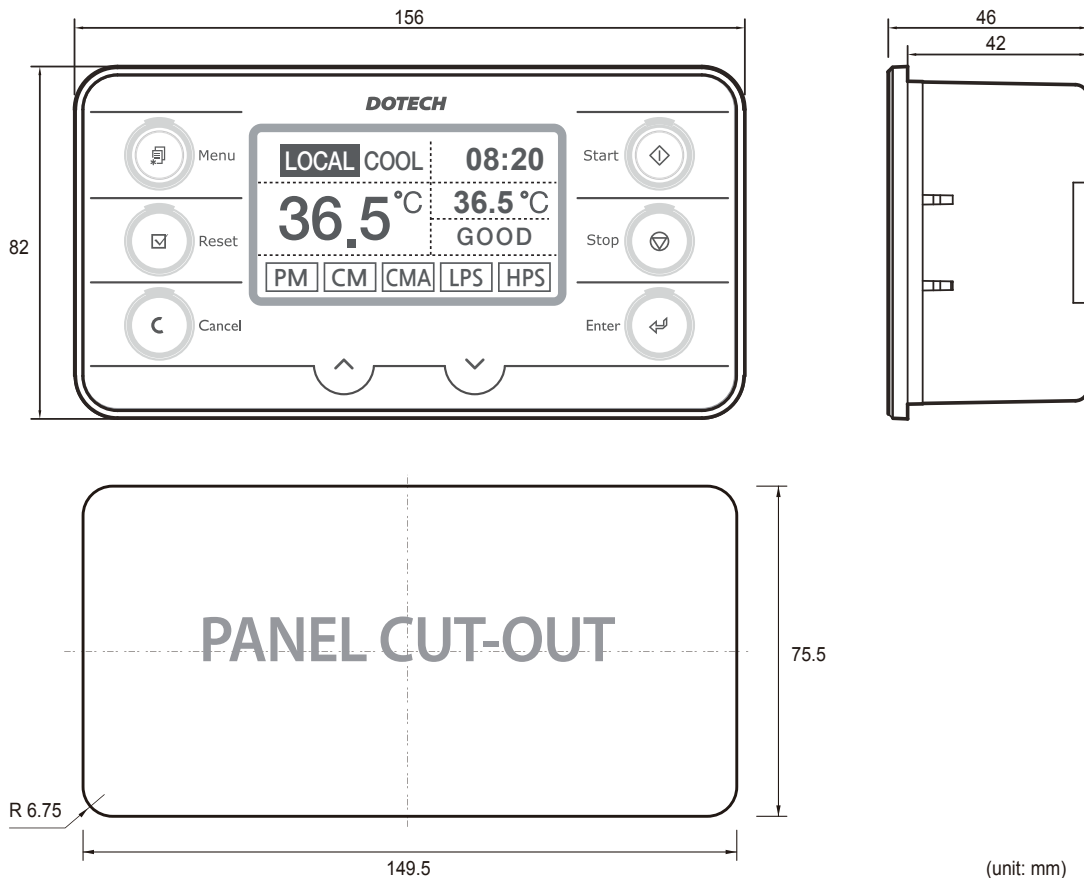
Front layout



■ Specifications

		CX9230C-L1	CX9230C-L	CX9230C-M	CX9230D-V
Power		24Vac, 50/60Hz			
Power Consumption		MAX 20VA			
Digital	Input	8EA(1 Common)			
	Output	4P relay outputs		8P relay outputs	
Analog	Input	2P temperature sensors, 2P 4~20mA			
	Output	-	-	-	2P 4~20mA or SSR
RTC (Real Time Clock)		-	○	○	○
PID control logic		-	-	○	○
Communication (MODBUS RTU / RS485)		-	-	-	○
Electrical Connection		Screw terminal			
Display / Button		WIDE LCD(128X64) / TACTILE BUTTON			
Operating Condition		-10~50°C(Humidity 90%RH or less)			
Storage Condition		-20~60°C(Humidity 90%RH or less)			

■ Dimensions

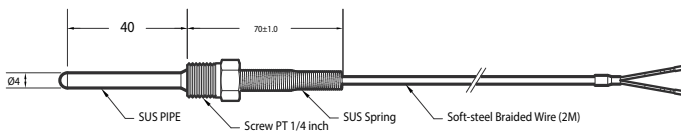


(unit: mm)

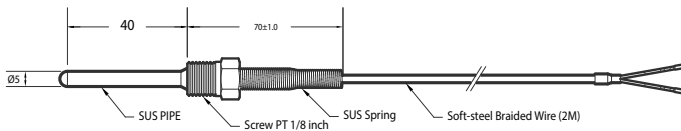
■ Accessories

Temperature sensor

DPR-TH01-S4D40L*1/4*2M (NTC5Kohm,1%)

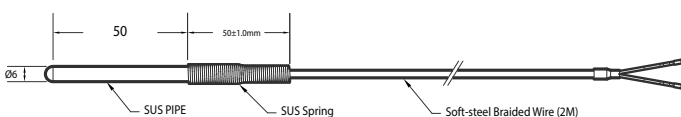


DPR-TH01-S5D40L*1/8*2M (NTC5Kohm,1%)



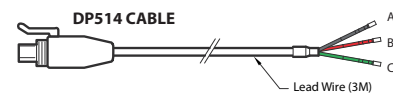
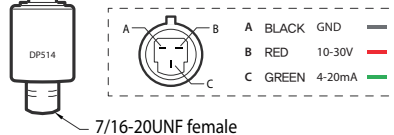
Discharged gas temperature sensor

DPR-TH02-P6D50L*2M (NTC 10Kohm, 1%)



Pressure sensor

DP514-P115 (-1~15bar)
DP514-P050 (0~50bar)

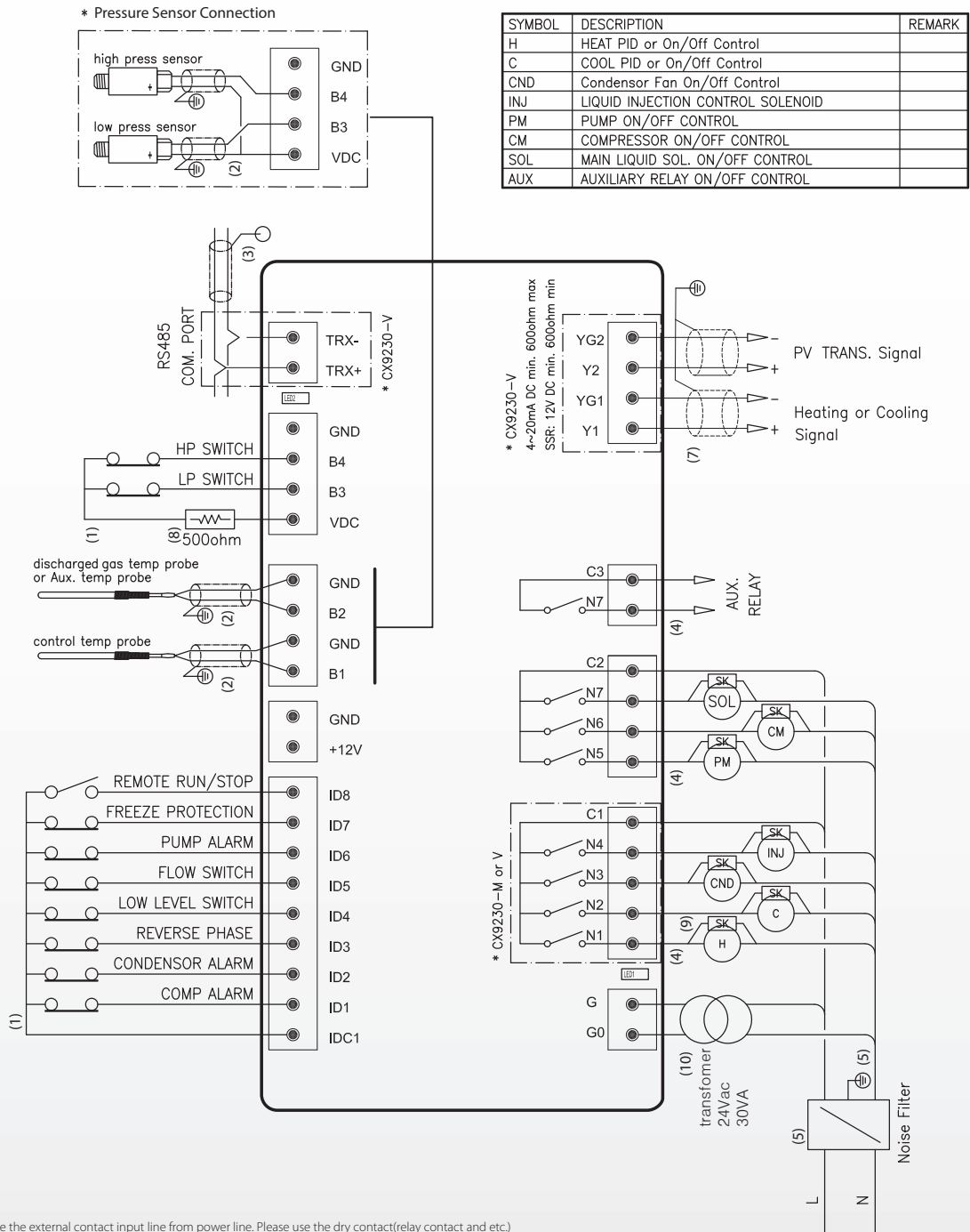


Power trans

24069001



■ Wiring Diagram



※Specifications are subject to change without prior notice.