

# DIGIPRESSURE®

Digital Multi Pressure Gauge & Switch



[www.digipressure.com](http://www.digipressure.com)

D I G I P R E S S U R E

“Digipresser is a generic name for a controller that integrates a pressure gauge and a switch.”

“Digipressure” of Korean technology innovation

Green System is a specialized company for parts and materials in the pressure field.

“DIGIPRESSURE” Trademark Registration Division “Digital multi-pressure switch for refrigeration equipment control”

It is the first and only green system in the refrigeration equipment market that has registered a patent for the first time in the industry.

Our company succeeded in localizing the pressure elements and sensors, which had been dependent on imports, and replaced imports by applying all of them to “Digipressors” through direct production, quality control, and follow-up management, and exporting them back to the US, South America, Europe, and the Middle East.

In addition, we are developing and distributing fan speed controllers (INV, DPF3) for refrigeration equipment, supplying electronic expansion valve controllers (DVS) to mass production, and providing total solutions related to inverter refrigeration control.

In addition, we have commercialized the first digital starting pressure switch in Korea by grafting digital to the starting pump controller in the firefighting field. With this, we are also advancing into the hydraulic, hydraulic, and pneumatic fields.

In the future, Green System will take the lead for quality satisfaction, technology satisfaction, and price satisfaction so that it can become a cornerstone of the sensor and controller market for the entire industry, including pressure sensors.

CEO *Yohan Hong*

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## Company History

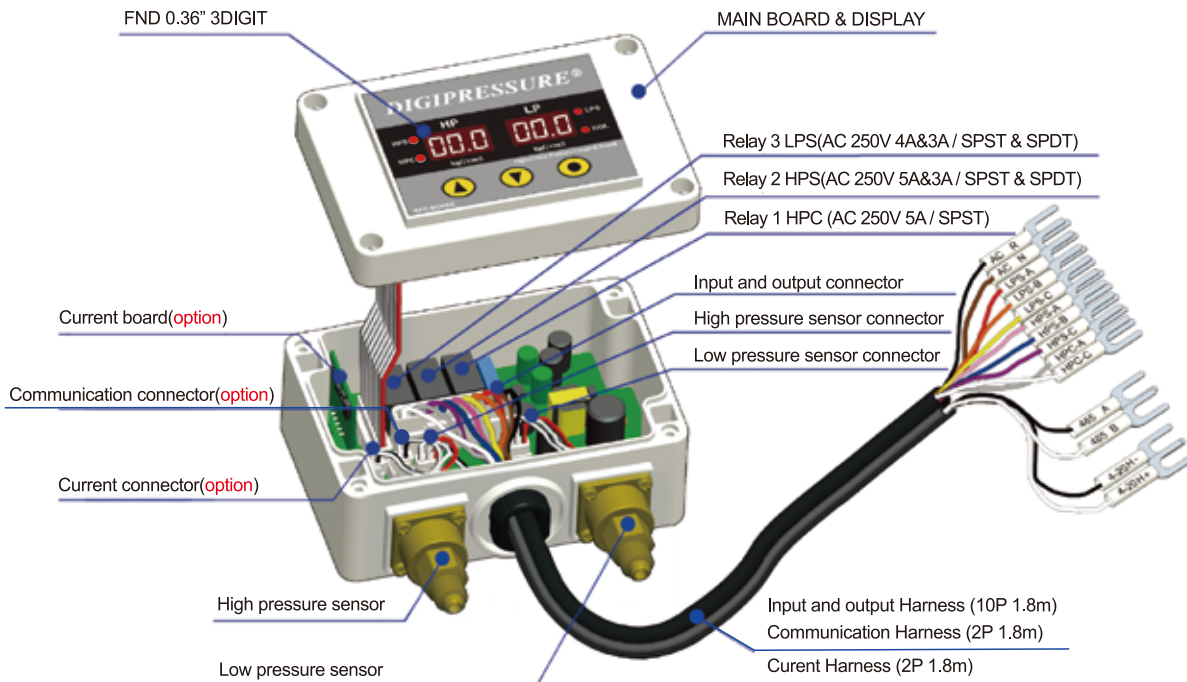
- 2004** Started business with “Okay Cold Heat”
- 2005** “Digital pressure switch” development completed  
Moved into office building at Kopomo Techno Center
- 2006** Changed company name to Green System  
Participated in the 8th Korea International Cooling and Heating Air Conditioning Exhibition  
Completed development of digital multi-pressure switch  
Registered as a family company at Hanyang University  
Registered as a family company at Gyeonggi Institute of Technology
- 2007** Registered trademark of “Digipressor”  
Registered utility model of digital multi-pressure switch for refrigeration equipment control  
Participated in the 9th Korea International Air Conditioning Exhibition  
Patent registration of digital multi-pressure switch for refrigeration equipment control  
Selected as a clean workplace
- 2008** Started exporting Belarosi  
CE certification
- 2009** Started development of "pressure switch" for firefighting  
Turkey sample export  
Exhibited at the 10th Korea International Air Conditioning Exhibition  
Started exporting to Turkey
- 2010** Started exporting to Belarus  
Completed development of “pressure switch” for firefighting  
Recognized as a R&D department (Korea Industrial Technology Association)  
Recognized as a specialized parts material company (Korea Technology Center)  
Registered as a family company at Gyeonggi Institute of Technology  
DPC, MPC “CE” certification  
ISO 9001 Certification
- 2011** Participated in the 11th Korea International Air Conditioning Exhibition  
New Zealand DPC Export  
Venture company registration
- 2012** Started development and sales of LPC differential pressure switch  
Started sales of screw/reciprocating oil pressure switch (DPC-DIF)  
Completed development of EEV controller and started selling  
Developed FAN SPEED controller. Sales start (DPF-HL)
- 2013** Participated in the 12th Korea International Air Conditioning Exhibition
- 2014** Recognized as a specialized parts and materials company (Korea Technology Center)
- 2015** Participated in the 13th Korea International Air Conditioning and Air Conditioning Exhibition
- 2016** Accredited as an affiliated research institute  
Completed development of fire-fighting start pressure switch
- 2017** Selected as an excellent company for field practice (Korea Polytechnic University)  
Participated in the 14th Korea International Air Conditioning and Air Conditioning Exhibition  
Joined as a member of Gyeonggi Incheon Machinery Industry Cooperative
- 2018** Succeeded in R&D of metal sensor and fan speed controller  
Supply of “Sihwa Tidal Power Plant” to Water Resources Corporation
- 2019** Participated in the 15th Korea International Air Conditioning Exhibition  
Launched fan speed controller mass production model (220V single-phase, 380V three-phase)  
Completed INV development and started selling
- 2020** “KC” certification  
DPF, DVS, LPC “CE” certification  
OPC optional add-on “CE” certification
- 2021** Released phase control fan speed controller (220V~380V three-phase)  
DPF3 sales start

## Certification

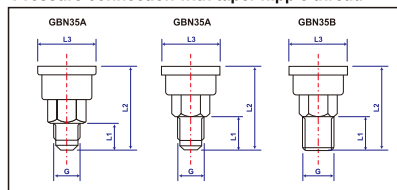






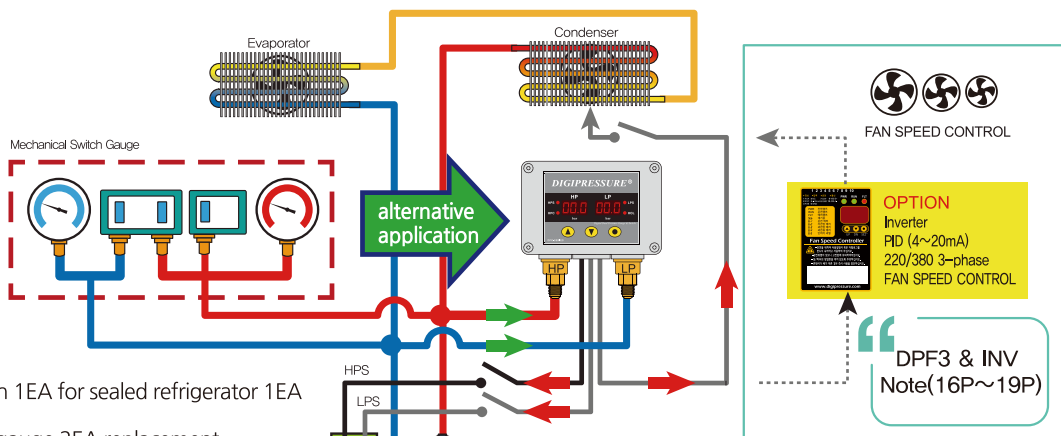


Pressure connection with taper nipple thread



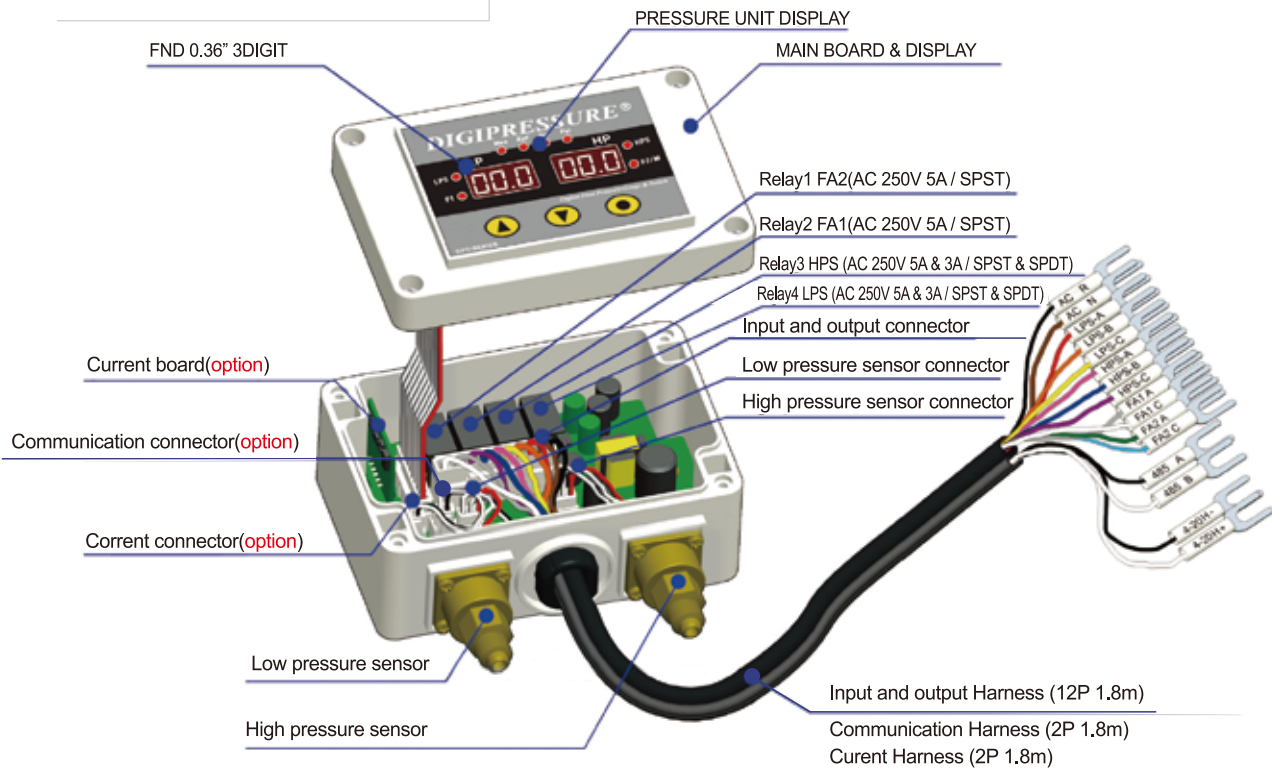
Model	Material	Taper nipple thread	Dimensions in mm		
			L1	L2	L3
GPS111-B	Brass	7/16"-20 UNF	11.8	35.0	24.0
GPS111-S	SUS-304	7/16"-20 UNF	14.1	35.0	24.3
GPS111-SP	SUS-304	1/4" NPT	14.1	35.0	24.3

DPC Applicable installation diagram

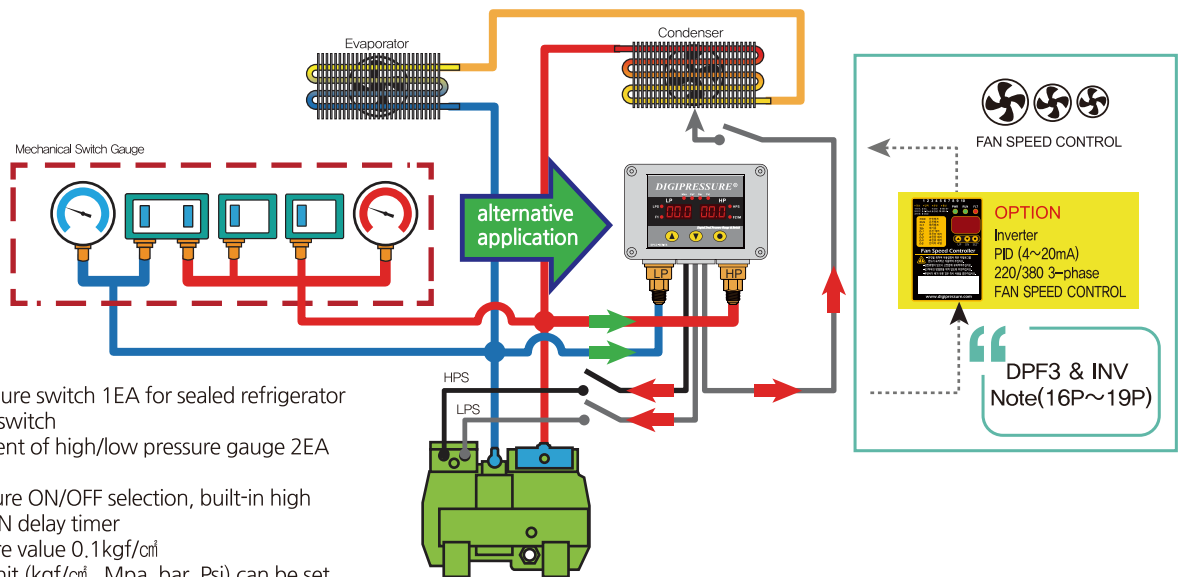


- \* Dual pressure switch 1EA for sealed refrigerator 1EA  
FAN switch 1EA  
High/low pressure gauge 2EA replacement
- Low pressure differential pressure ON/ High pressure OFF selection, built-in high pressure ON delay control
- Built-in deviation ON delay timer
- Set pressure value 0.1 kgf/cm<sup>2</sup>
- Pressure unit (kgf/cm<sup>2</sup>, MPa, bar, Psi) optional when ordering
- pressure range : -1.0~50,30,20,10 kgf/cm<sup>2</sup>

- Order specification
- Inverter control High and low voltage PID control
  - Communication RS-485, current output (4-20mA)



DPC2 Applicable installation diagram



\* Dual pressure switch 1EA for sealed refrigerator  
 2EA FAN switch  
 Replacement of high/low pressure gauge 2EA

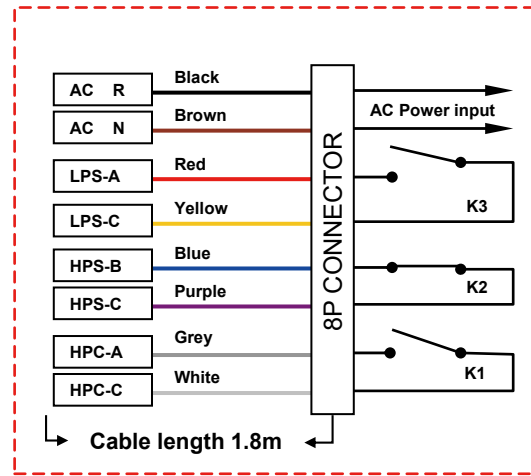
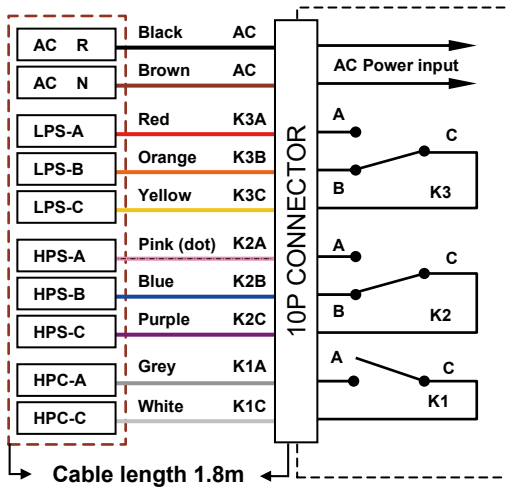
- Low pressure ON/OFF selection, built-in high pressure ON delay timer
- Set pressure value 0.1kgf/cm<sup>2</sup>
- Pressure unit (kgf/cm<sup>2</sup>, Mpa, bar, Psi) can be set
- pressure range : -1.0~50,30,20,10 kgf/cm<sup>2</sup>
- Pressure compensation function applied

Order specification

- Inverter control High and low voltage PID control
- Communication RS-485, current output (4-20mA)

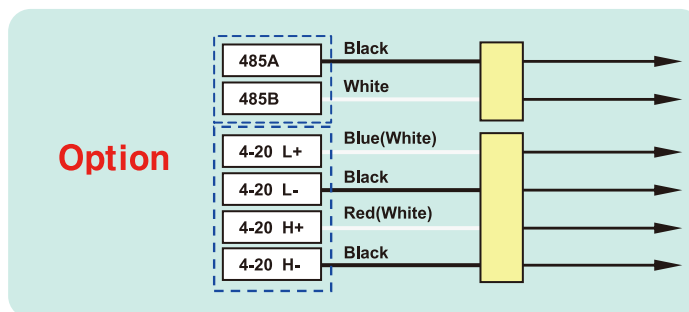
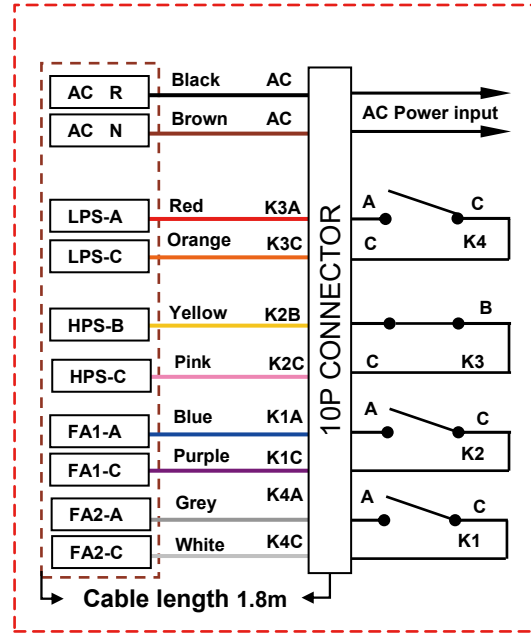
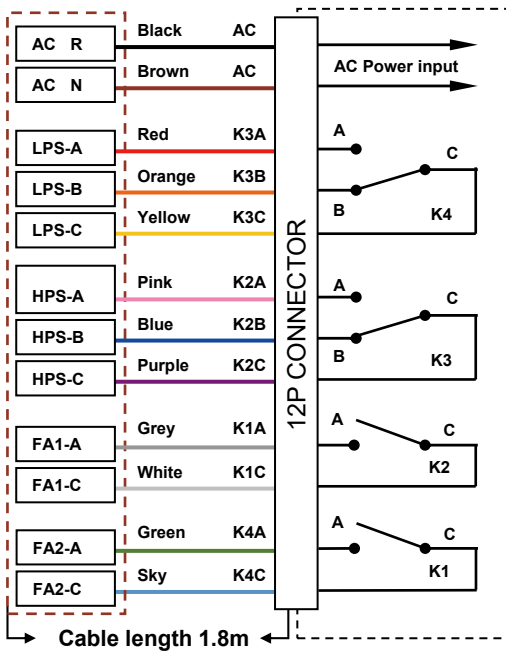
# DPC-HL-10P

## Connection diagram of cables



# DPC2 - L1H3 - 12P

## Connection diagram of cables



## DPC Product model and specification table

**DPC-** **HL-** **H-** **CM-** **PK-** **10P-** **12-** **10** **WA-** **3M**

<b>DPC-</b>	Model DPC	DPC =Dual pressure switch			
<b>HL-</b>	DPC 모델기능명	HL = HP2,LP1switch DIF = HP1,LP1,differential pressure 1ea H1L2= LP1,LP2ea switch	H = HP switch (contact point3ea) L = LP switch (3ea)		
<b>H-</b>	Output A, V, OP (OPTION)	Output Option A	H = HP 4~20mA HL= HP/LP 4~20mA	L = LP 4~20mA HH = HP 2channel 4~20mA	* OP = External switch input
		Output Option V	VH = HP 1~5V VHL = HP/LP 1~5V	VL = LP 1~5V VHH = HP 2channel 1~5V	
		Output Option AOP	OP = External switch	OPH = External switch, high voltage current	
<b>CM-</b>	Communication C (OPTION)	CM = Modbus-RTU CA = ascii			
<b>PK-</b>	Pressure unit(P)	PM == Mpa PE == mBar	PB == Bar PG == mmHg	PP == Psi PH == mmHg	* notation omitted PK == kgf/cm <sup>2</sup>
<b>10P-</b>	Harness connection	08P ===== 08P 10P ===== 10P			
<b>12</b>	Power	12 = 12VDC / 24 = 24VDC			* notation omitted AC = 100~240VAC
<b>10</b>	Pressure range	5 / 10 / 20 / 30 / 100 / 200 / 600			* Notation omitted 50
<b>WA</b>	Sensor detachable	< type> W = Welding type N = nipple type	G = Green System O = Other sensor		* Notation omitted
<b>3M</b>	Cable length Other specification or Metric display	Negotiable when ordering (default 1.8m)			* Notation omitted Skip the default 1.8m

- Notation omitted: \* Not applicable for basic mode

## DPC specification table

DPC SERIES	Specifications	Application function	sensor	OUTPUT			electric current (Option)	RS-485 (Option)
				LP	HP	FAN		
DPC-HL	-1.0~50 kgf Mpa/Bar/Psi	High pressure 1 point, low pressure 1 point and FAN control of sealed refrigerator Replacement of 1-point pressure switch and pressure gauge	2	1	1	1	O	O
DPC-H1L2		Replacement of HP 1-point and LP 2-point pressure switches and pressure gauges for sealed refrigerators	2	2	1		O	O
DPC-L	-1.0~20 kgf Mpa/Bar/Psi	Multi-unit pressure control and 2nd and 3rd stage alternating operation and capacity control	1	P1 1	P2 1	P3 1	O	O
DPC-H	0~30, 50,100, 200,600 kgf Mpa/Bar /Psi	Dedicated for pressure control of pumps, air compressors, compressors, etc. and 2nd and 3rd stage FAN control	1	1	1	1	O	O

## DPC2 specification table

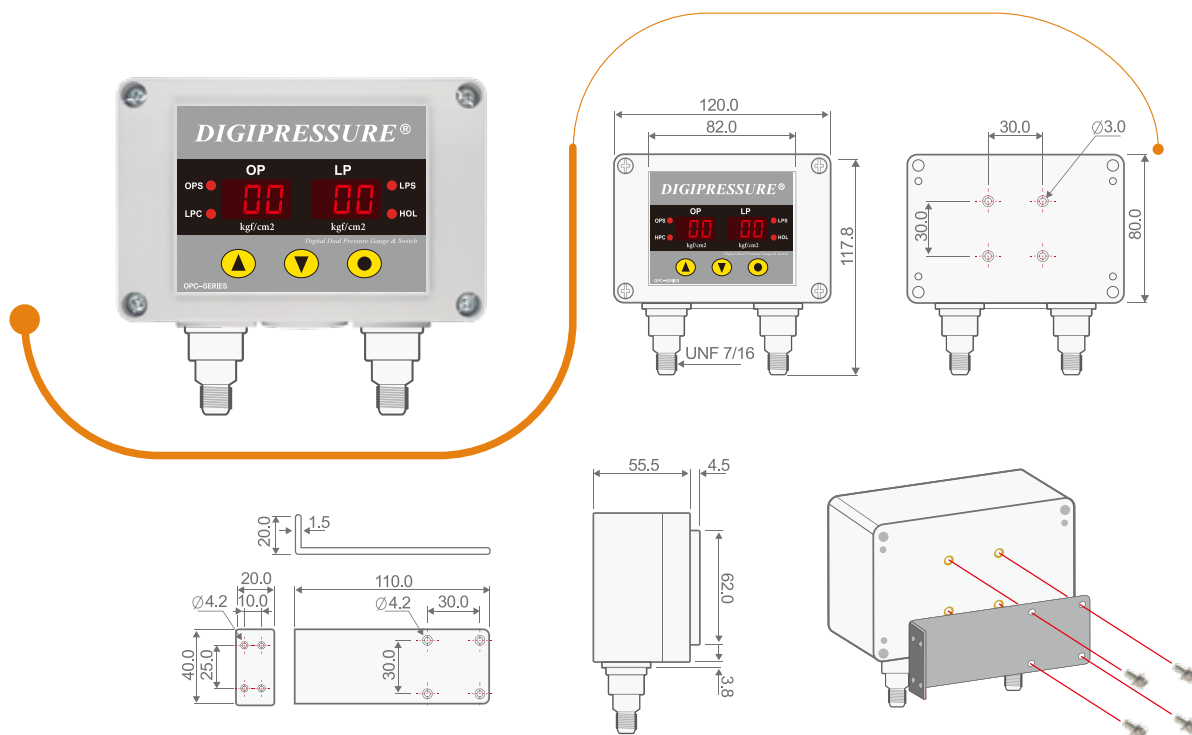
DPC2 SERIES	Specifications	Application function	sensor	OUTPUT			electric current (Option)	RS-485 (Option)
				LP	HP	FAN		
DPC-L1H3	-1.0~50 kgf Mpa/Bar/Psi	Refrigerator LP1, HP 1, FAN 2 Replacement of pressure switch and pressure gauge	2	1	1	2	O	O
DPC-L2H2	-1.0~50 kgf Mpa/Bar/Psi	Refrigerator LP 2, HP 1, FAN 1 Replacement of pressure switch and pressure gauge	2	2	1	1	O	O
DPC-L3H1	-1.0~50 kgf Mpa/Bar/Psi	Refrigerator LP 3, HP 1, Replace pressure switch and pressure gauge	2	3	1		O	O
DPC-L4	-1.0~20 kgf Mpa/Bar/Psi	Multi-unit pressure control or 2nd, 3rd, 4th stage Alternating operation and capacity control	1	4			O	O
DPC-H4	0~30, 50,100, 200,600 kgf/Mpa/Bar/Psi	Pressure control and pressure control of pumps, air compressors, compressors, etc. 2nd, 3rd, 4th stage FAN control	1		4		O	O



HV : (Displayer) horizontally or vertically  
 D : DOWN  
 B : BACK  
**DPC2(4Page), See also installation type**

# OPC SERIES

## OPC SERIES Installation type diagram



## OPC SERIES specification table

OPC SERIES	Specifications	Application function	sensor	OUTPUT			electric current (Option)	RS-485 (Option)
				OPS	LPS	LPC		
OPC	-1.0~10, 20, 30, 50kgf Mpa/Bar/Psi	Oil differential pressure switch for refrigerator Fluid control filter system control output	2	1	1	1	O	O
010								
020								
030								
050								



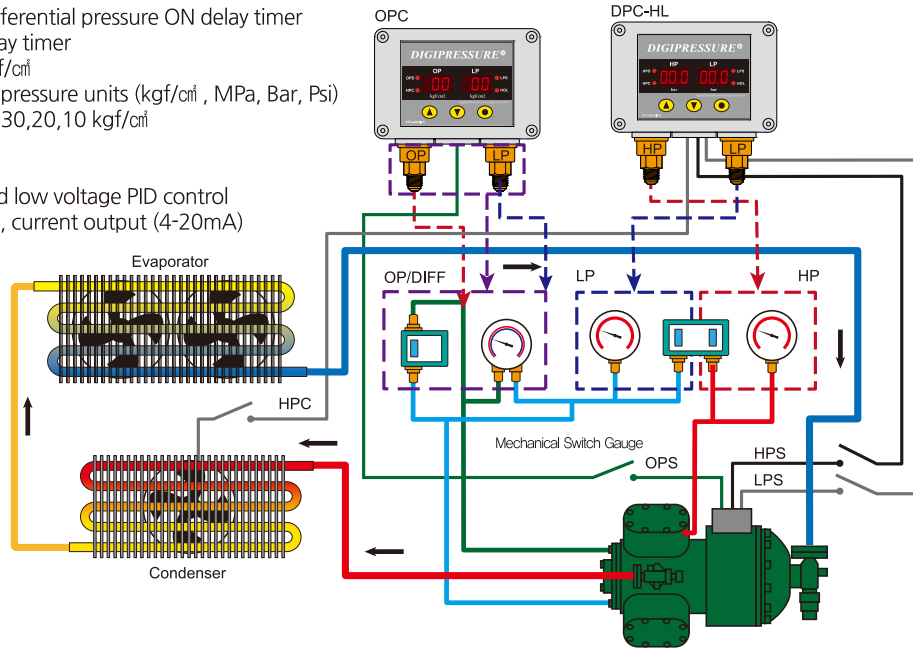
# OPC Applicable installation diagram

\* Screw and reciprocating oil pressure control switch replacement / filter system control output  
 LP2 and differential pressure control 1, mechanical pressure switch and pressure gauge replacement

- Built-in low pressure, differential pressure ON delay timer
- Built-in deviation ON delay timer
- Set pressure value 0.1kgf/cm<sup>2</sup>
- Optional when ordering pressure units (kgf/cm<sup>2</sup>, MPa, Bar, Psi)
- Pressure range: -1.0~50,30,20,10 kgf/cm<sup>2</sup>

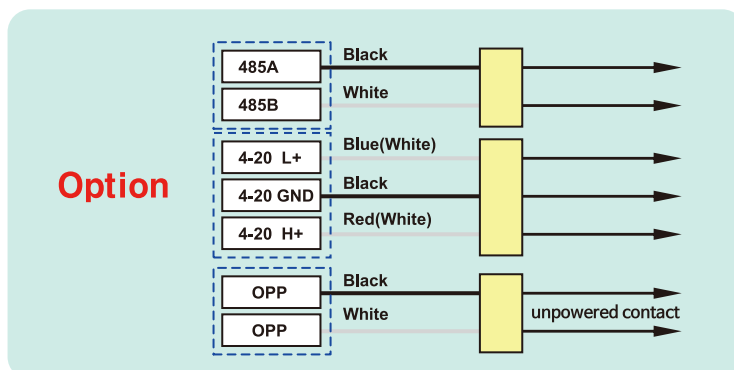
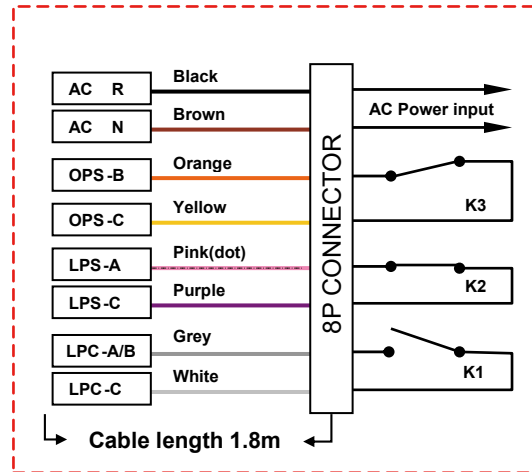
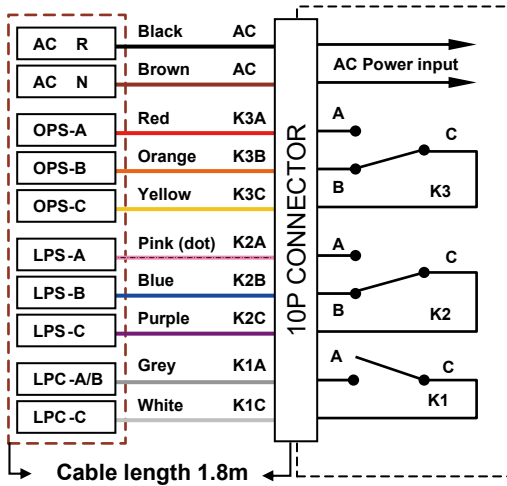
Order specification

- Inverter control High and low voltage PID control
- Communication RS-485, current output (4-20mA)



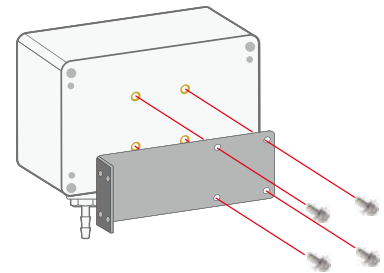
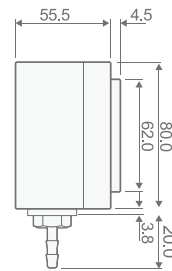
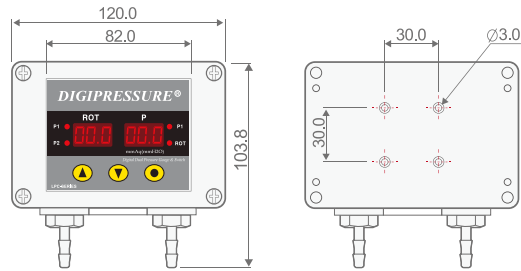
## OPC -10P

## Connection diagram of cables

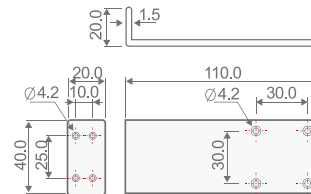


## LPC SERIES Installation type diagram

### LPC-DIFF



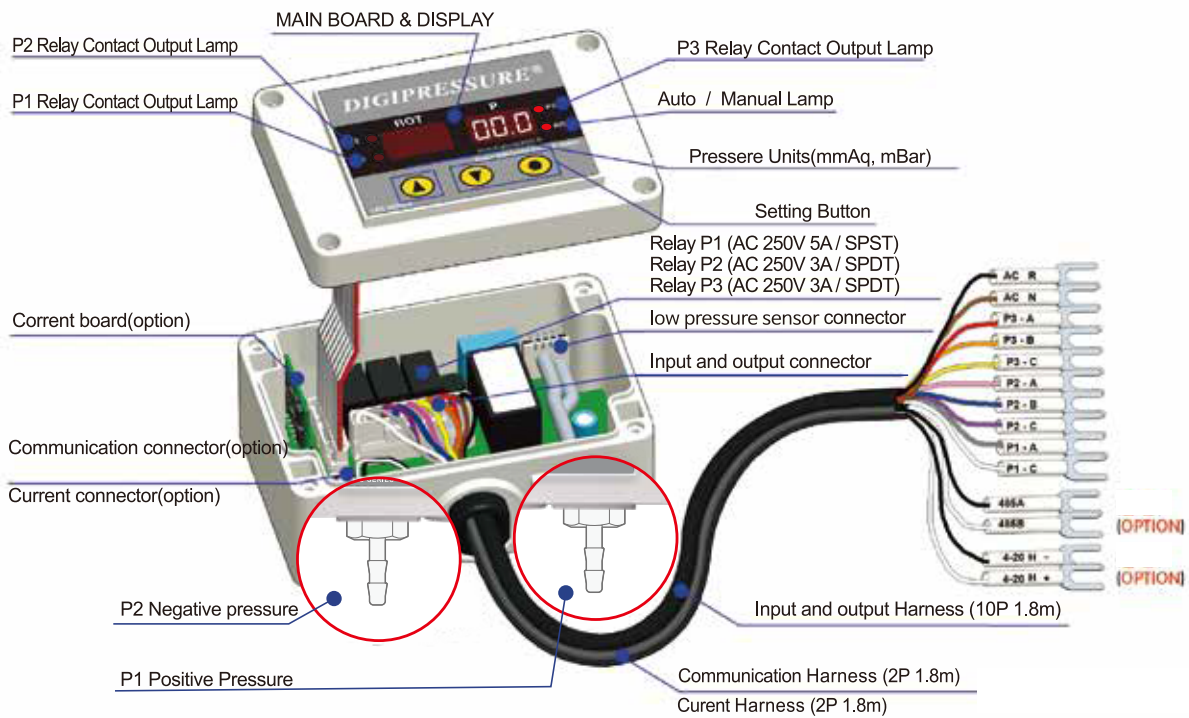
### LPC-L



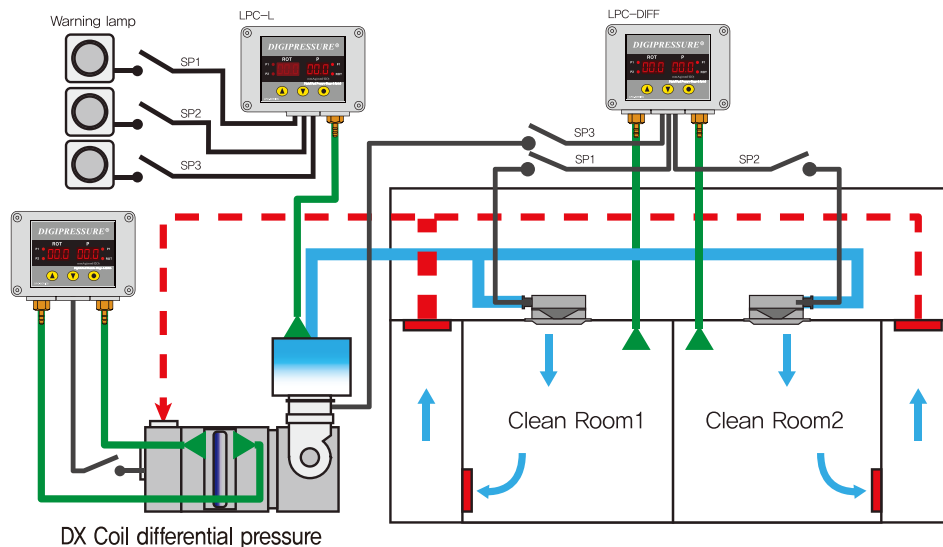
## LPC SERIES specification table

LPC SERIES	Specifications	Application function	sensor	OUTPUT			electric current (Option)	RS-485 (Option)	Note
				P1	P2	P3			
LPC-DIFF (differential pressure)	-70~600 mmAq -100~100 mmAq -50~50 mmAq	Coils, filters, chambers, clean rooms, Application of FAN differential pressure switch	1	1	1	1	O	O	
LPC-L (low pressure)	-70~600 mmAq -100~100 mmAq -50~50 mmAq	Wind pressure switch and cooler defrost switch (3-STEP switch embedded)	1	1	1	1	O	O	

## LPC Assembly development diagram



## LPC Applicable installation diagram



\* Air conditioner filter, coil, fan differential pressure control, clean room pressure control and filter differential pressure (Wind pressure) Low pressure 1 point/2 points, output relay 3 points, relay alternating control function, mechanical pressure switch and pressure gauge replacement

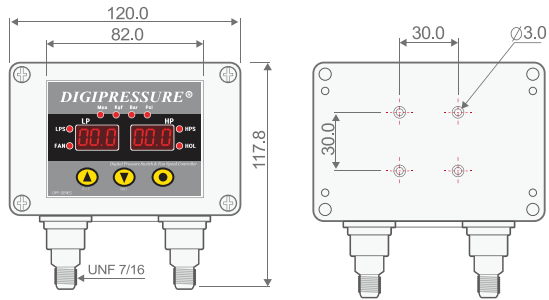
- Built-in ROT function pressure control, 1mmAq deviation control, built-in delay timer
- Pressure unit: mmAq (mmH2O)
- Pressure range: -70~600 mmAq (mmH2O), -100~100mmAq (mmH2O), -50~50 mmAq (mmH2O)

※ Application options: CM : RS-485 / AL : 4~20mA output / DI : External input (start/stop classification)

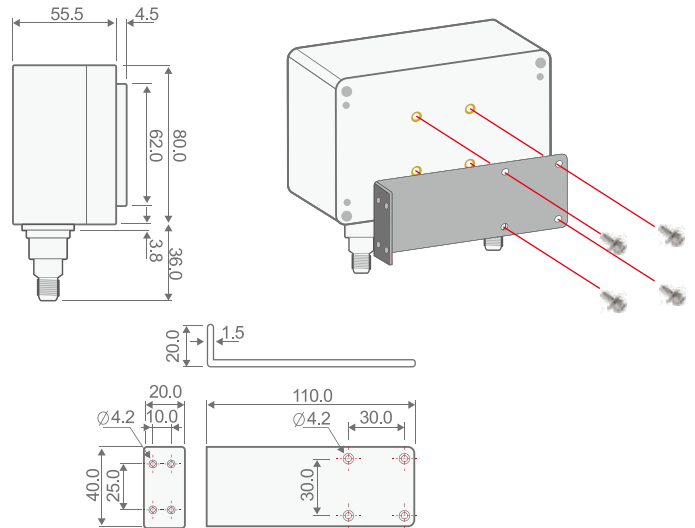
# DPF SERIES

## DPF SERIES Installation type diagram

### DPF -LH

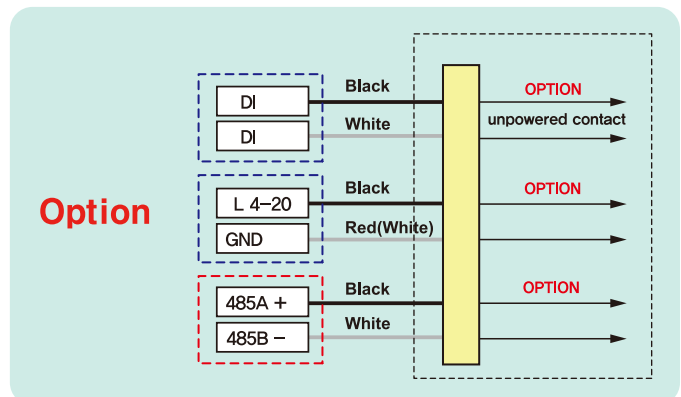
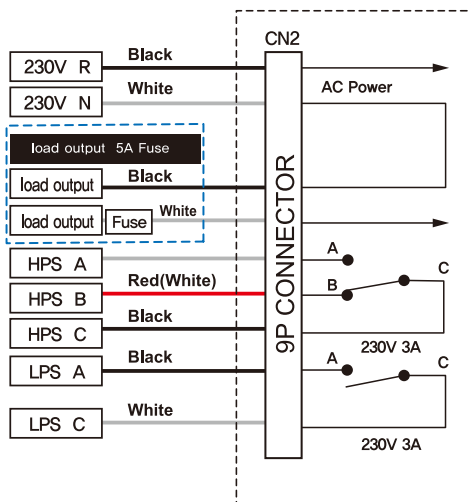


### DPF -L

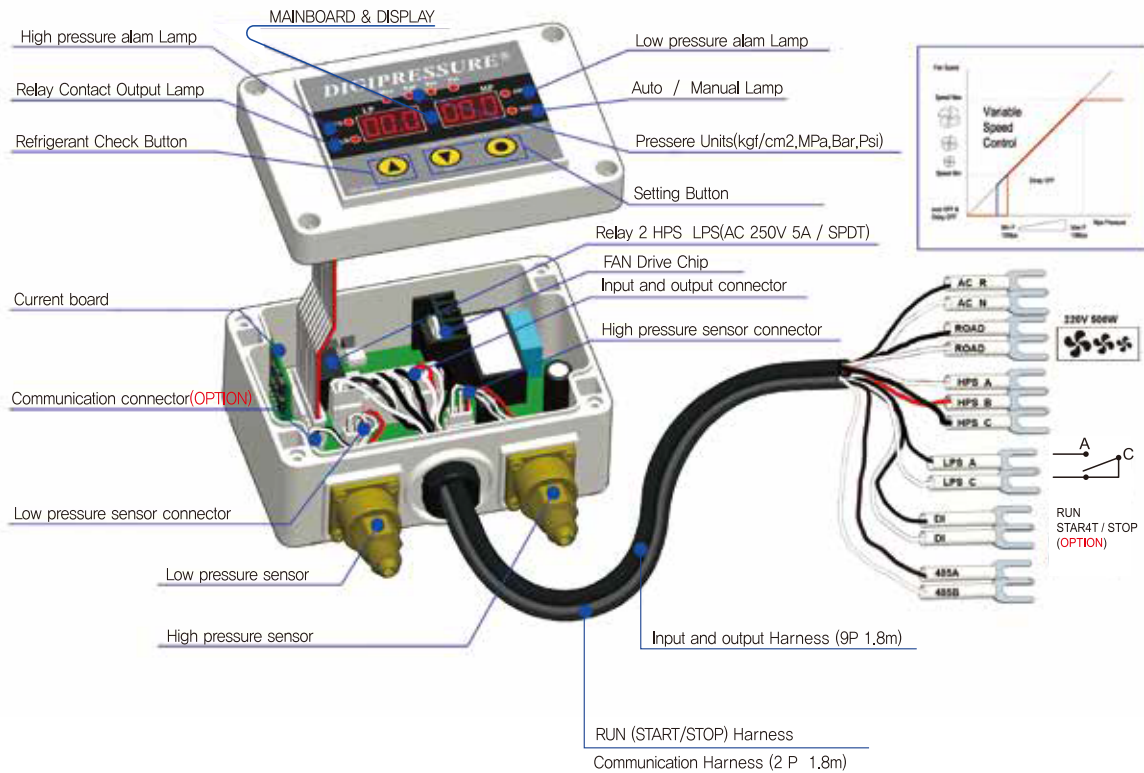


### DPF -9P

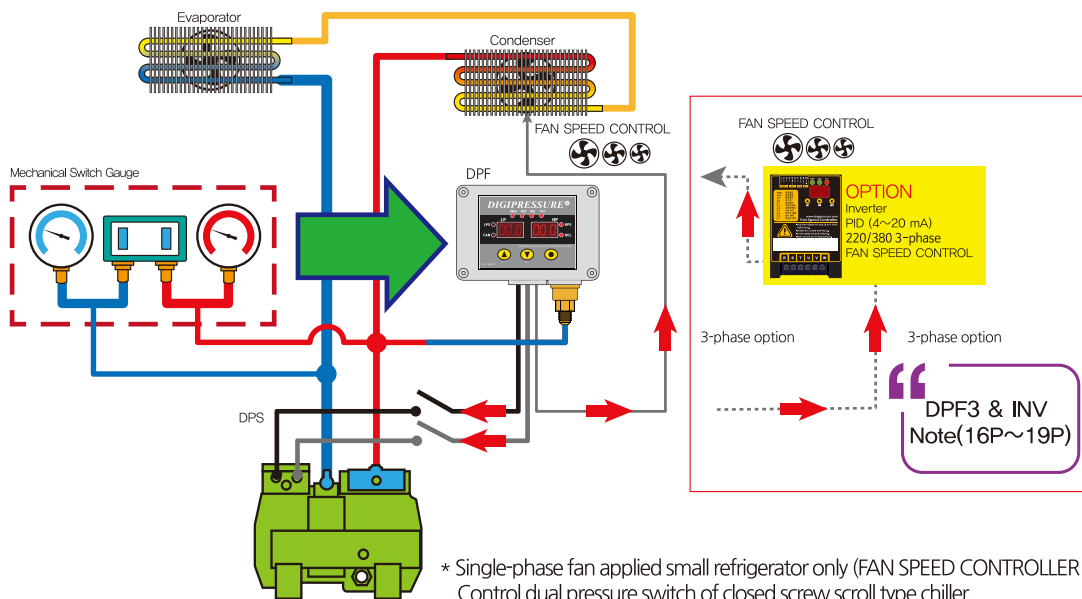
### Connection diagram of cables



## DPF Assembly development diagram



## DPF Applicable installation diagram

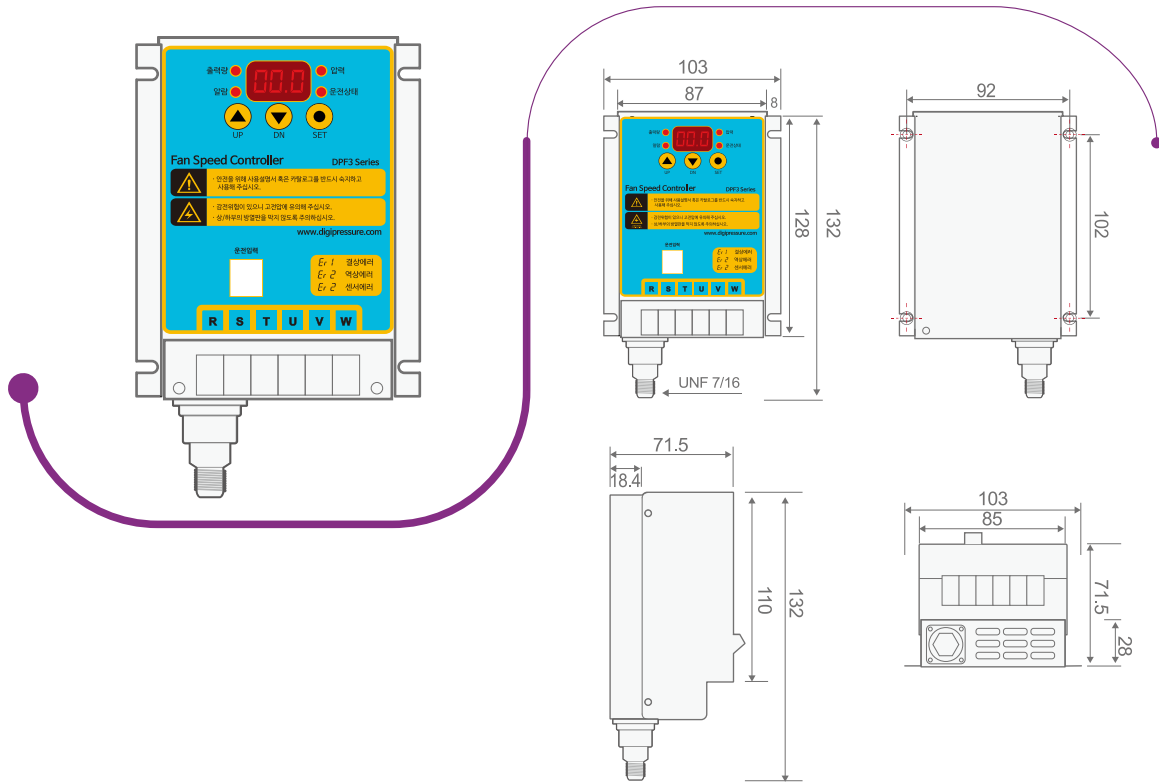


\* Single-phase fan applied small refrigerator only (FAN SPEED CONTROLLER 500W)  
 Control dual pressure switch of closed screw scroll type chiller  
 (HPS high pressure 1 point, LPS low pressure 1 point)  
 Replaced mechanical pressure switch and pressure gauge

- FAN SPEED CONTROLLER 500W (heater or general motor control output possible)
- PID control and section band control output [Example : 13 (25%) ~ 18 (100%) kgf/cm<sup>2</sup> control output]
- Set pressure value 0.1 kgf/cm<sup>2</sup>
- Optional when ordering pressure units (kgf/cm<sup>2</sup>, MPa, bar, Psi)
- Pressure range: -1.0~50,30,20,10 kgf/cm<sup>2</sup>

# DPF3 SERIES

## DPF3 - ST Standalone

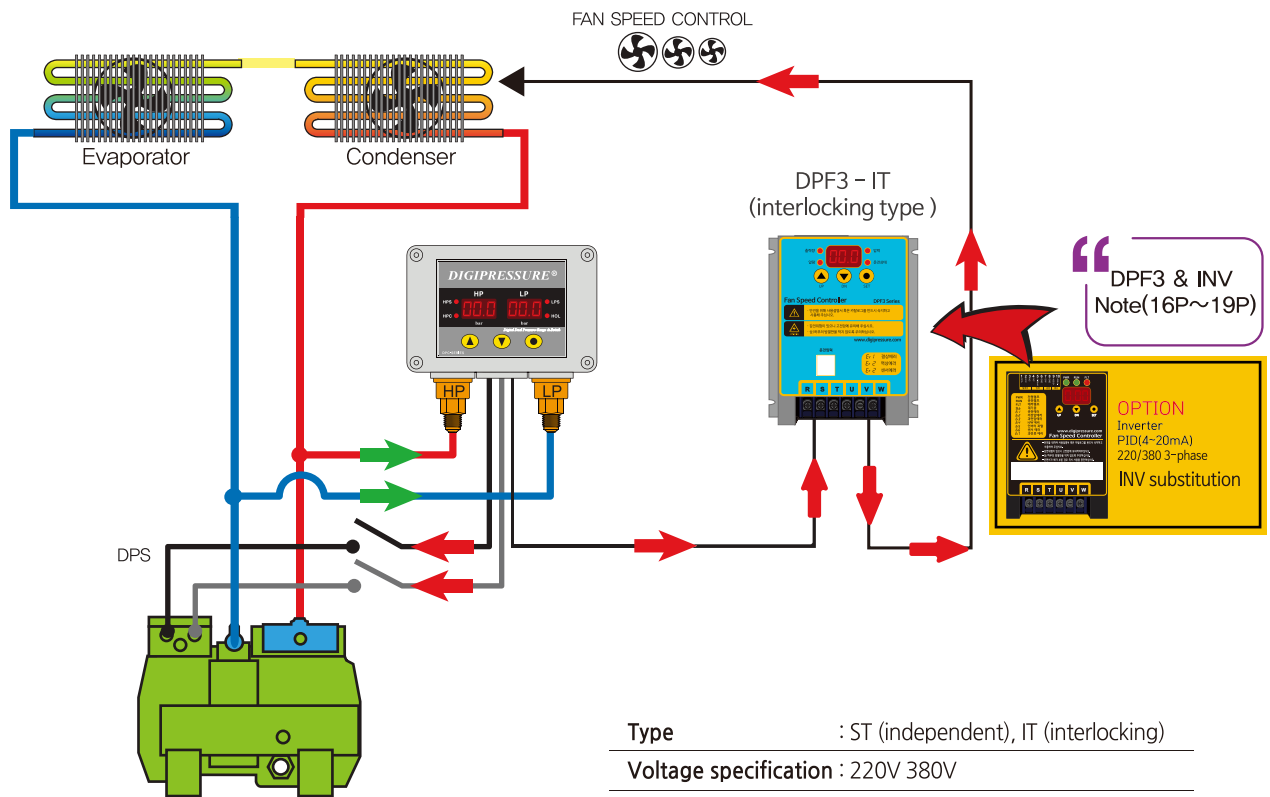


## DPF3 - IT Interlocking control with Digipressure





## DPF3 Applicable installation diagram



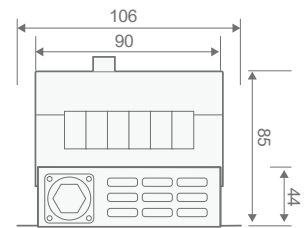
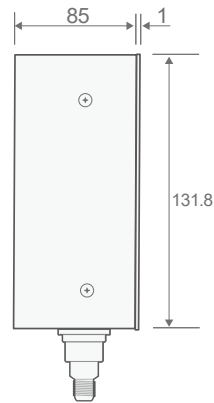
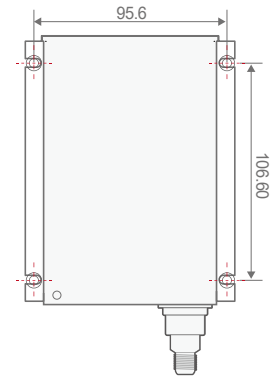
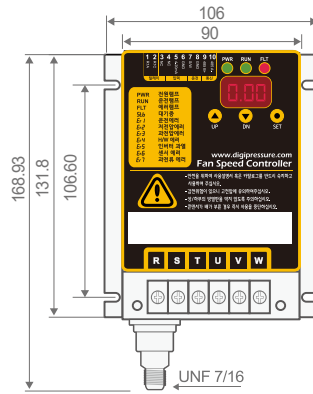
Type	: ST (independent), IT (interlocking)
Voltage specification	: 220V 380V
Rated capacity	: DPF3 8A / INV 1KW, 2KW
Input selection	: Switch input, communication, etc.
Output selection	: Output contact selection

## DPF3 model classification table

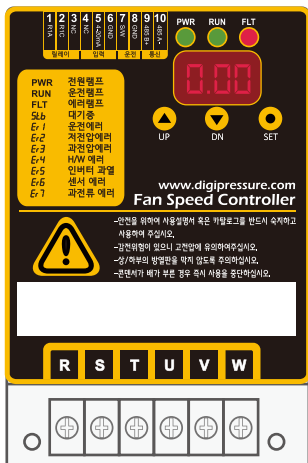
DPF3		①	②	③	④	⑤
Model	DPF3	DPF3-SERIES				
① Constants	Phase 3	1 $\emptyset$ , 3 $\emptyset$				
② Voltage	380V	220V 380V				
③ measure of capacity	5A	5A, 8A				
④ Input	drive-switch	drive switch RS485 electric current, voltage				
⑤ Type	ST	ST (independent) IT (interlocking)				

# INV SERIES

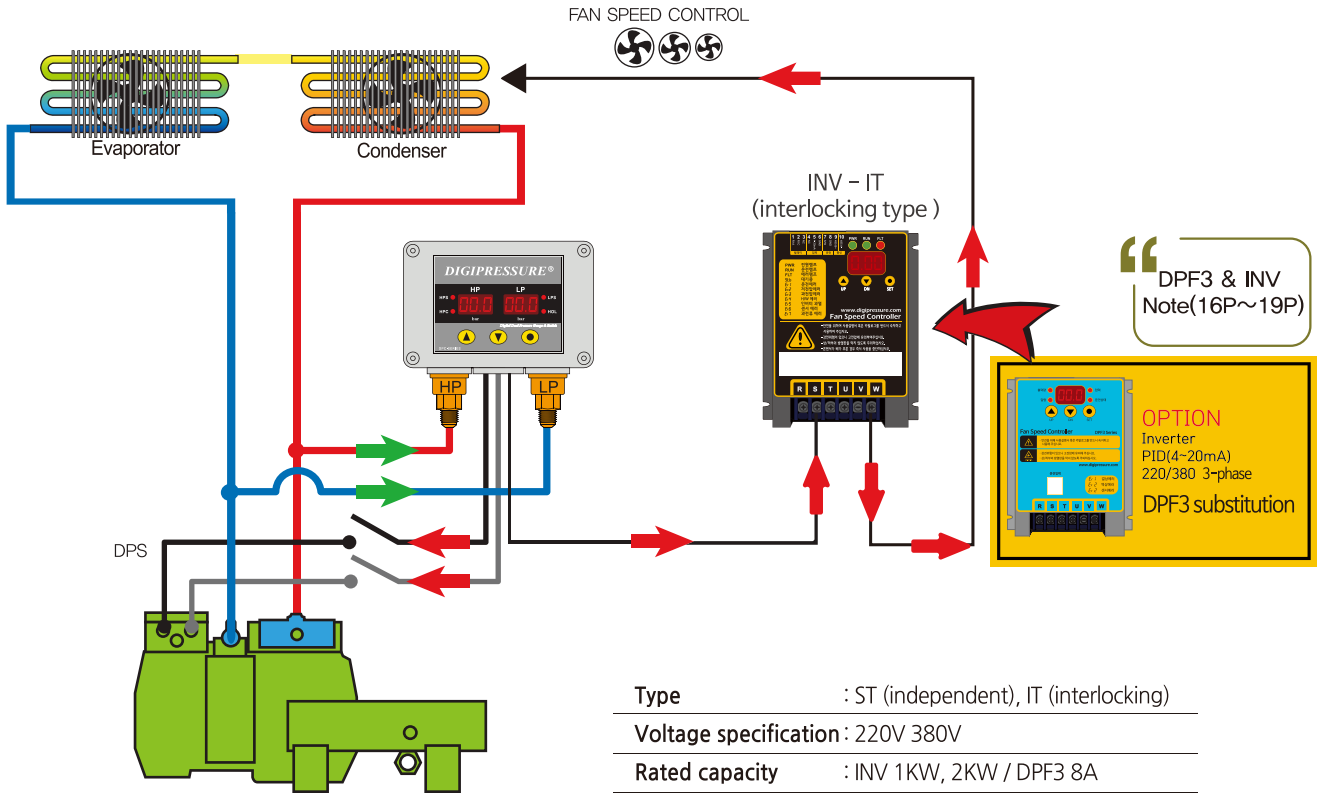
## INV - ST Standalone



## INV - IT Interlocking control with Digipressure



## INV Applicable installation diagram



Type	: ST (independent), IT (interlocking)
Voltage specification	: 220V 380V
Rated capacity	: INV 1KW, 2KW / DPF3 8A
Input selection	: Switch input, communication, etc.
Output selection	: Output contact selection

## INV Model classification table

INV	-	①	-	②	-	③	-	④	-	⑤
Model	INV	INV-SERIES								
① Constants	3	Phase 3								
② Voltage	22	220V								
	38	380V								
	44	440V								
③ measure of capacity	08	0.8kw								
④ Input	A	4~20mA(1~5V)								
	T	Temperature								
	P	Pressure								
	C	Communication								
⑤ Type	ST	ST (independent)								
		IT (interlocking)								

## U1



## C1



## A1



### Product Range

- Single phase 220 V 0,4 kW to 2,2 kW
- Three-phase 220 V 0,4 kW to 15 kW
- Three-phase 440 V 0,4 kW to 22 kW

### Excellent Applicability

- KEB function (low voltage trip delay in the event of a temporary power failure)
- External brake control (lift, hoist)
- Automatic current inhibition function (minimize inverter trip stop)
- Adopt optimal algorithm to minimize motor loss

### High Performance

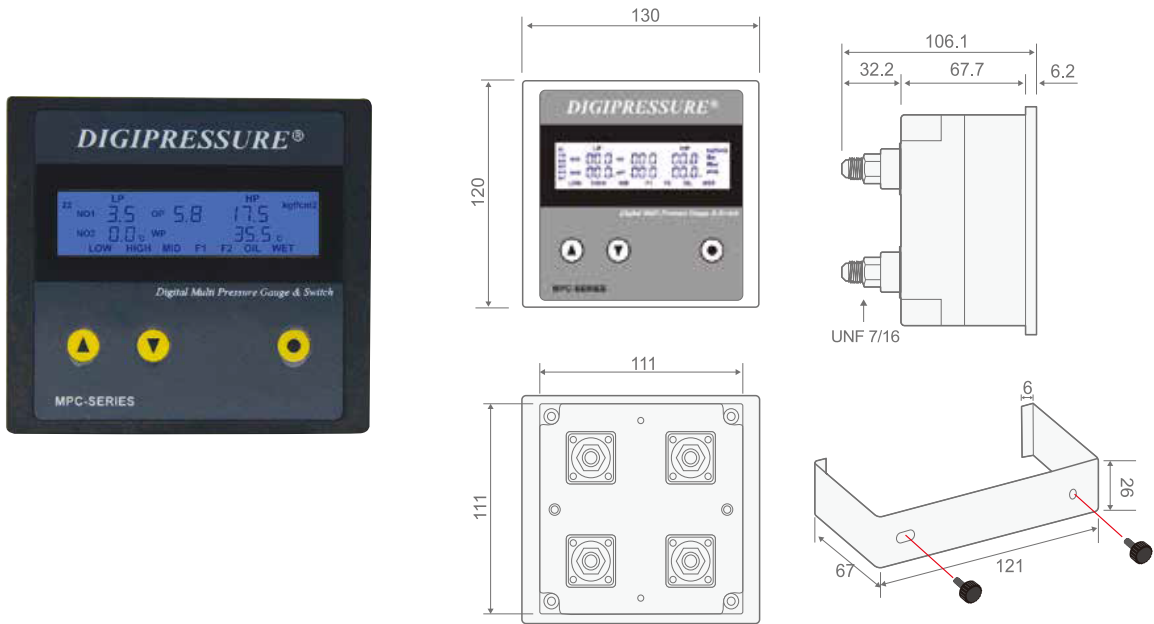
- V/F, User V/F, Enhanced Sensorless Vector Control
- Double Rated (Heavy Duty & Normal Duty)
- High Torque at Low Speed (150% = 1 Hz)
- EMC filter embedded (optional)

### Easy, Simple, User friendly Options

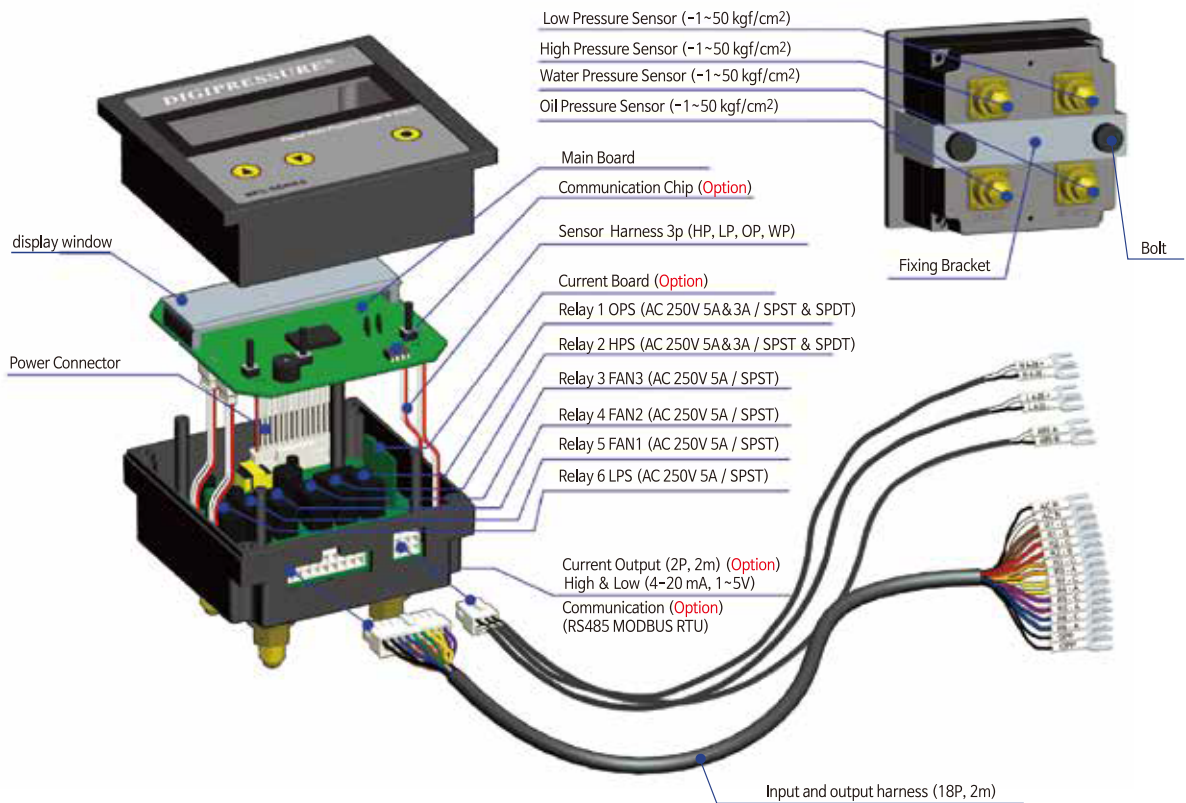
- Removable keypad
- Maximize panel space by installing side by side
- Built-in fieldbus communication (option)
- Easy installation & easy operation

# MPC SERIES

## MPC SERIES Installation type diagram



## MPC SERIES Assembly development diagram



## MPC HLOM, HLOMS, HLOMS-L2, HLOW, HLOWS, H2L2



MPC SERIES	Specifications	Application function	sensor	OUTPUT					electric current (Option)	RS-485 (Option)
				SP/WP	LP	OP	HP	FAN		
MPC-HLOM	-1.0~50kgf/ Mpa/Bar/Psi	Medium pressure/hydraulic comparison Hp 4 (including 3 FAN) of a 2-stage semi-hermetic refrigerator Lp 1, hydraulic pressure 1 pressure switch and pressure gauge replacement	4		1	1	1	3	○	○
MPC-HLOMS		Hp/hydraulic comparison of two-stage screw chillers High pressure 4 points (including 3 fan), Lp 1, hydraulic pressure 1, and pressure switch and pressure gauge replacement	4		1	1	1	3	○	○
MPC-HLOMS-L2		Hp/hydraulic comparison 2 high pressure 3 (including 2 FAN) of the 2 stage screw refrigerator, Lp 2, hydraulic pressure 1, and pressure switch and pressure gauge replacement	4		2	1	1	2	○	○
MPC-HLOW		Semi-hermetic compressor (WATER & AIR) HP3 (FAN with 2 points of control), HP1, Hydraulics 1, water pressure 1 and Replacement of pressure switch and pressure gauge (applied chiller cooler)	4	1	1	1	1	2	○	○
MPC-H2L2		two-way freezing or 2CYCLE compressor driving HP2, LP2 and FAN Control 2, Replacement of pressure switch and pressure gauge (2STEP tandem type of thermo-hygrostat)	4		2		2	2	○	○

## MPC HLO, HLO-L2, HLOS, HLW



HLO, HLO-L2



HLOS, HLW

MPC SERIES	Specifications	Application function	sensor	OUTPUT					electric current (Option)	RS-485 (Option)
				SP/WP	LP	OP	HP	FAN		
MPC-HLO	-1.0~50kgf/ Mpa/Bar/Psi	High pressure 4 (including 3 of FAN control) of OP applied semi-hermetic refrigerator, Low pressure 1, hydraulic 1 pressure switch and pressure gauge replacement	3		1	1	1	3	○	○
MPC-HLO-L2		Hp 3 (FAN control 2) of capacity control semi-hermetic refrigerator, Lp 2, hydraulic 1 pressure switch and pressure gauge replacement	3		2	1	1	2	○	○
MPC-HLOS		screw compressor (oil alarm: HP - OP = OPS) HP1 (including 3 fan control), low pressure 1, hydraulic pressure 1 Replace the pressure switch and pressure gauge	3		1	1	1	3	○	○
MPC-HLW		Combination of air and water pressure control with hermetic refrigerator 3 of high pressure (including 2 FAN control), 2 of low pressure, 1 of water pressure Replacement of pressure switch and pressure gauge (air dryer, screw cooler chiller type)	3	1	2		1	2	○	○

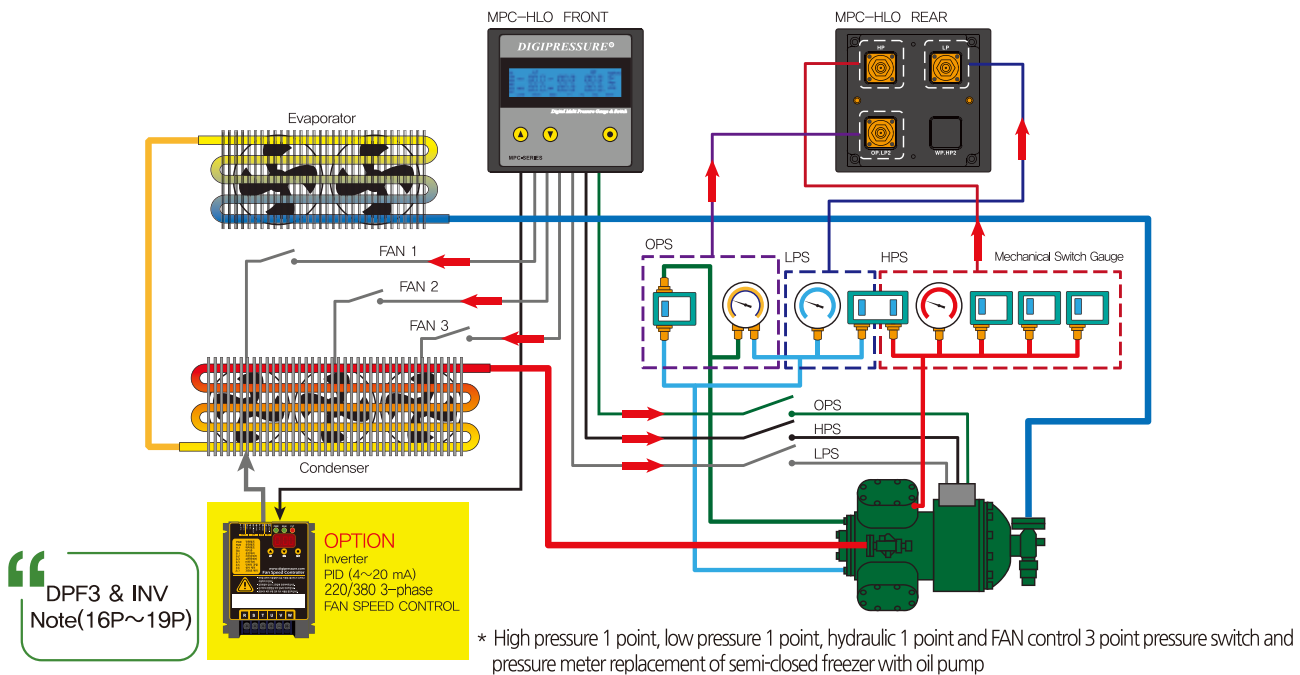


## MPC H3L3, H4L2, H2L4, H1L5, HL6



MPC SERIES	Specifications	Application function	ensor	OUTPUT					electric current (Option)	RS-485 (Option)
				SP/MP	LP	OP	HP	FAN		
MPC-H3L3		HP 3 (including FAN control 2), LP 3 for closed type refrigerators such as screws Replacement of pressure switch and pressure gauge closed refrigerator, screw refrigerator)	2		3		1	2	○	○
MPC-H4L2		HP1 (including 3 fan control), LP 2 points for closed type refrigerators such as screws FAN stem control 3-stage pressure switch and pressure gauge replacement (Air dryer, capacity control compressor, tandem, scroll chiller, screw chiller)	2		2		1	3	○	○
MPC-H2L4	-1.0~50kgf Mpa/Bar/Psi	Replacement of HP 2, LP4, pressure switches and pressure gauges for closed refrigerators such as screws (Water-cooled, 4-stage capacity control only)	2		4		1	1	○	○
MPC-H1L5		Replaces HP1, LP 5, pressure switches and pressure gauges in closed refrigerators such as screws (Water-cooled, 5-stage capacity control only)	2		5		1		○	○
MPC-HL6		Replacement of, LP 6, pressure switches and pressure gauges for closed refrigerators such as screws. (Only for 6-stage capacity control) All LP switches are kept OFF in case of high pressure alarm	2		6				○	○

## MPC - HLO Applicable installation diagram



- Oil pressure switch embedded
- Setting pressure value 0.1 kgf/cm<sup>2</sup>
- In pressure unit conversion mode (Kgf/cm<sup>2</sup>, Mpa, bar, Psi)
- High pressure, low pressure refrigerant conversion temperature indication (°C/°F)

- Order specification
- Inverter control High and low voltage PID control
  - Communication RS-485, current output (4-20mA)

# DVS SERIES

## DVS SERIES



DVS-DL



DVS-SL

### Accessories included



Pressure Sensor  
(GPTA-010/030/050)



Temperature sensor



Trance

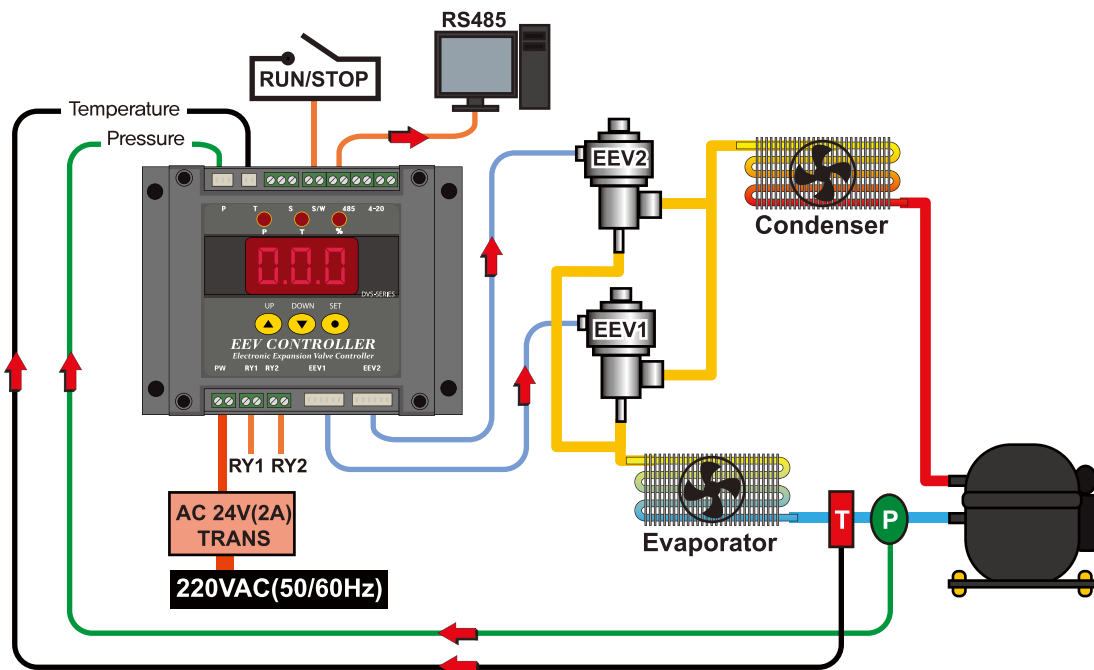


EEV (Direct equation)



EEV (gear type)

## DVS - DL Applicable installation diagram



## DVS Specification table

DVS is an EEV controller developed to enable precise control of superheat, capacity control, hot gas bypass, etc. by applying an electronic expansion valve, which is a key expansion device in refrigeration, cooling, heat pump and freezer application cycles.

DVS consists of a controller, pressure sensor, temperature sensor, and electronic expansion valve, and can be applied to various places such as refrigeration (air conditioning), cooling, heat pump, low-temperature warehouse, showcase and other applications.

Application of various expansion valves such as Denfoss, Spolen, Emerson, Oxide, Dunhan, Sagnomiya, etc. (unipolar and bipolar board) DVS supports various operation modes.

- ▶ DVS supports various operating modes.
    - Super heat (superheat) proportional control operation mode
    - Manual control operation mode
    - Forced control operation mode
  - ▶ Both unipolar/bipolar type EEV are applicable. (Applicable to Siemens magnetic MVL 661 series)
  - ▶ With RS485 communication (MODBUS) function, it is easy to interface with other devices.
- ※ Refrigerants other than DVS's currently available refrigerants (R22, R23, R134, R404, R407, R410, R744) are available upon ordering.  
 DVS includes controller, pressure sensor, temperature sensor, and transformer / DVD includes controller and transformer  
 EEV is sold separately. (Optional purchase by capacity)

DVS SERIES	Specifications	sensor (pressure1/Temperature1)	OUTPUT			electric current (option)	RS-485 (option)	Note
			Print	EEV	input			
DVS-DL	DUAL Electronic expansion valve control unit	1 / 1	1	2	1	○	○	
DVS-SL	SINGLE Electronic Expansion Valve control unit	1 / 1	1	1	1	○	○	

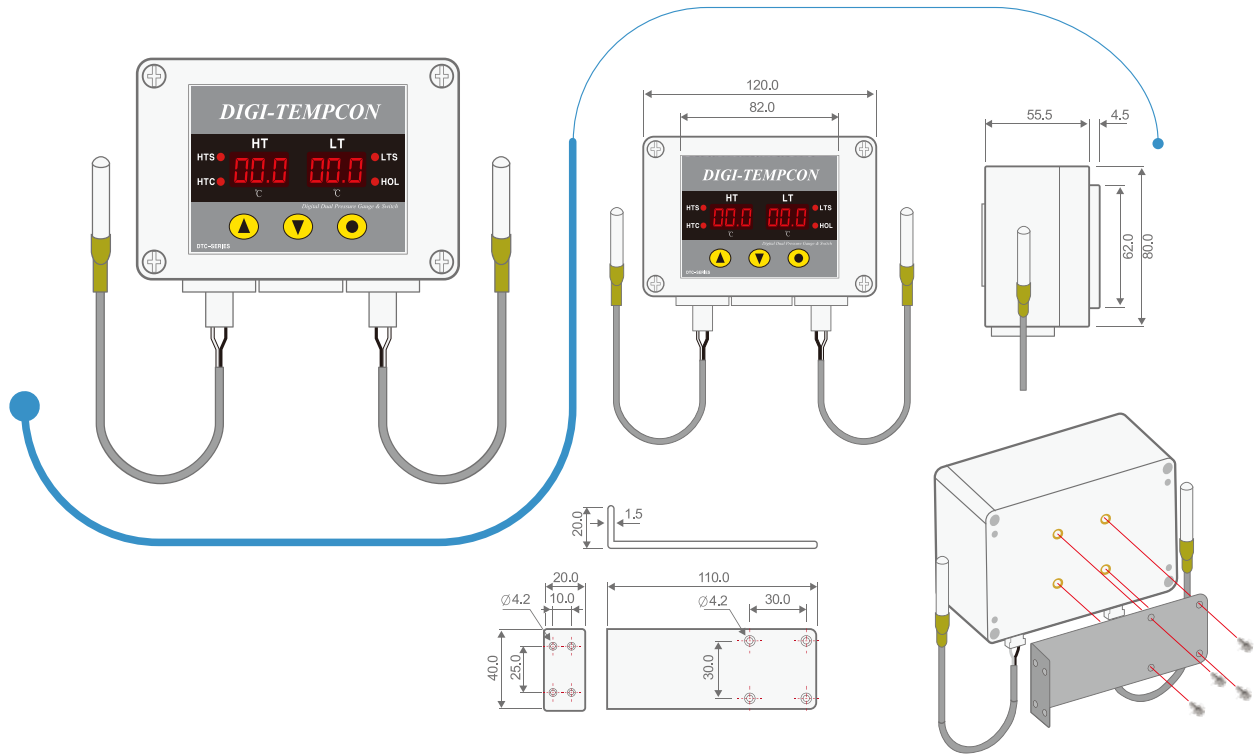
## DVD SERIES



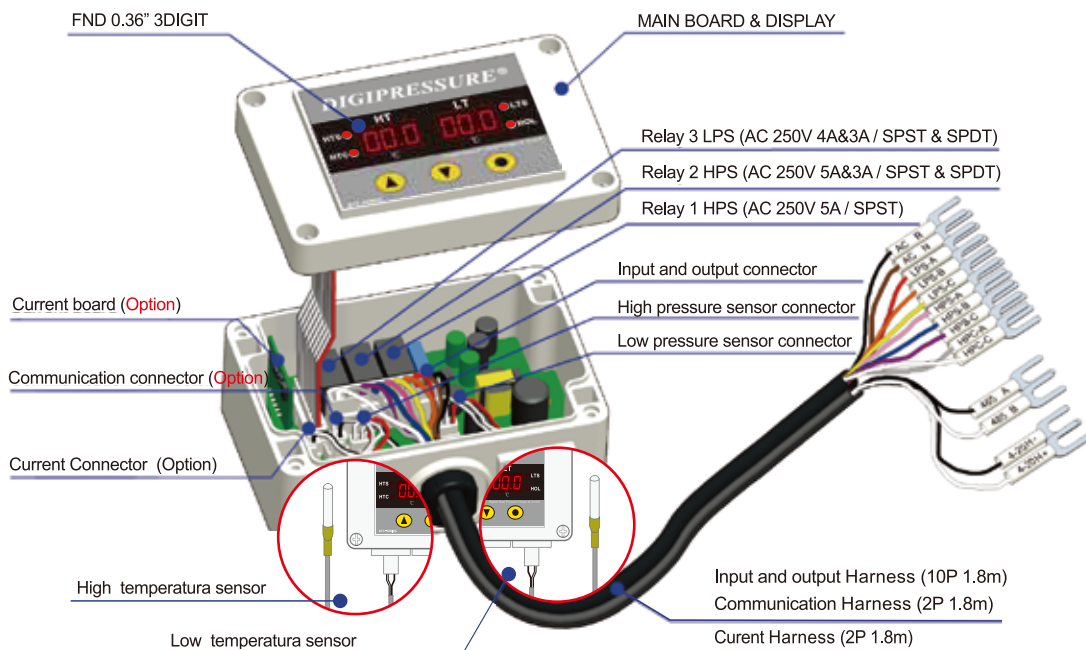
- Power : DC 24V 1A (Expansion valve power consumption included)
- Control : Forced open ratio adjustment mode
- Connector : 1-5V, 4-20mA, 0-10V input (order option)
- Expansion : UNIPOLAR/BIPOLARS STEP MOTER TYPE, MAX 600mA
- Driving : 1-2 or 2 Phase Drive, 100~9900 Pulse, 10~500 PPS  
1/1000 Open ratio control precision (0.0 ~ 100%)
- Action : -10 ~50°C (However, there is no condensation)
- Keep : -10 ~60°C (Humidity below 90%RH)

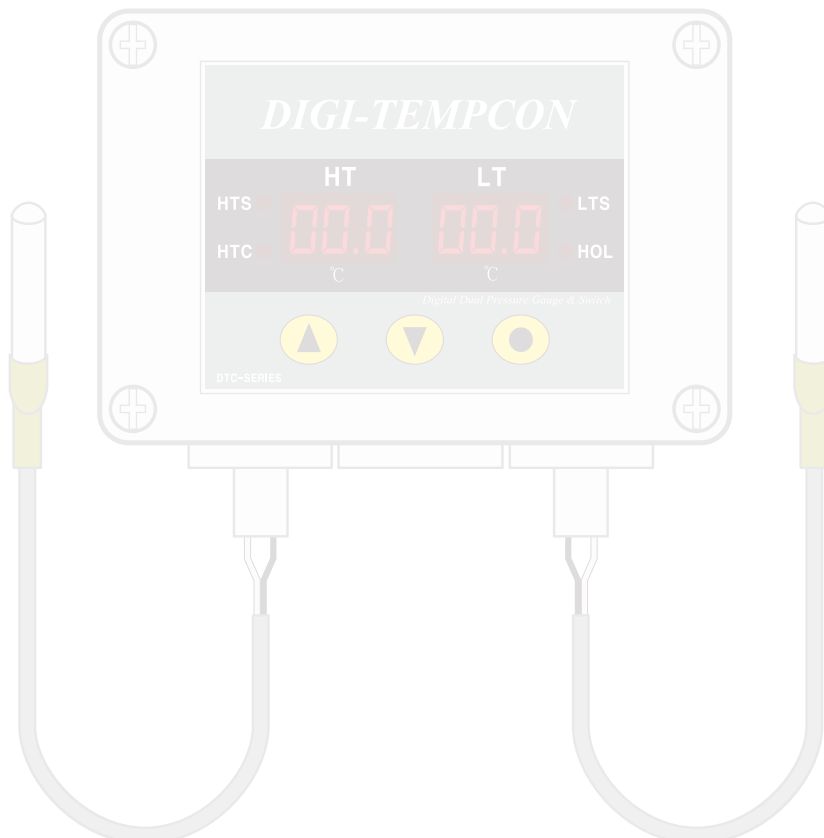
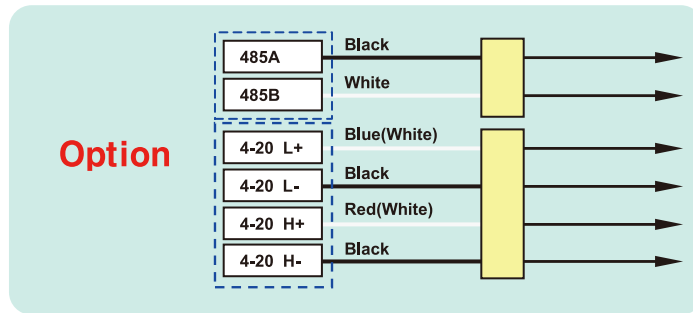
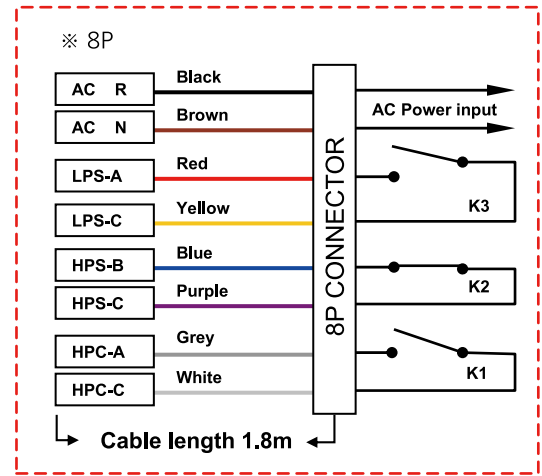
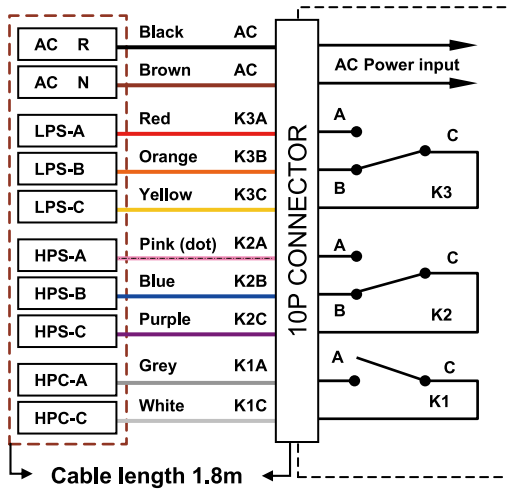
# DTC SERIES

## DTC SERIES Installation type diagram



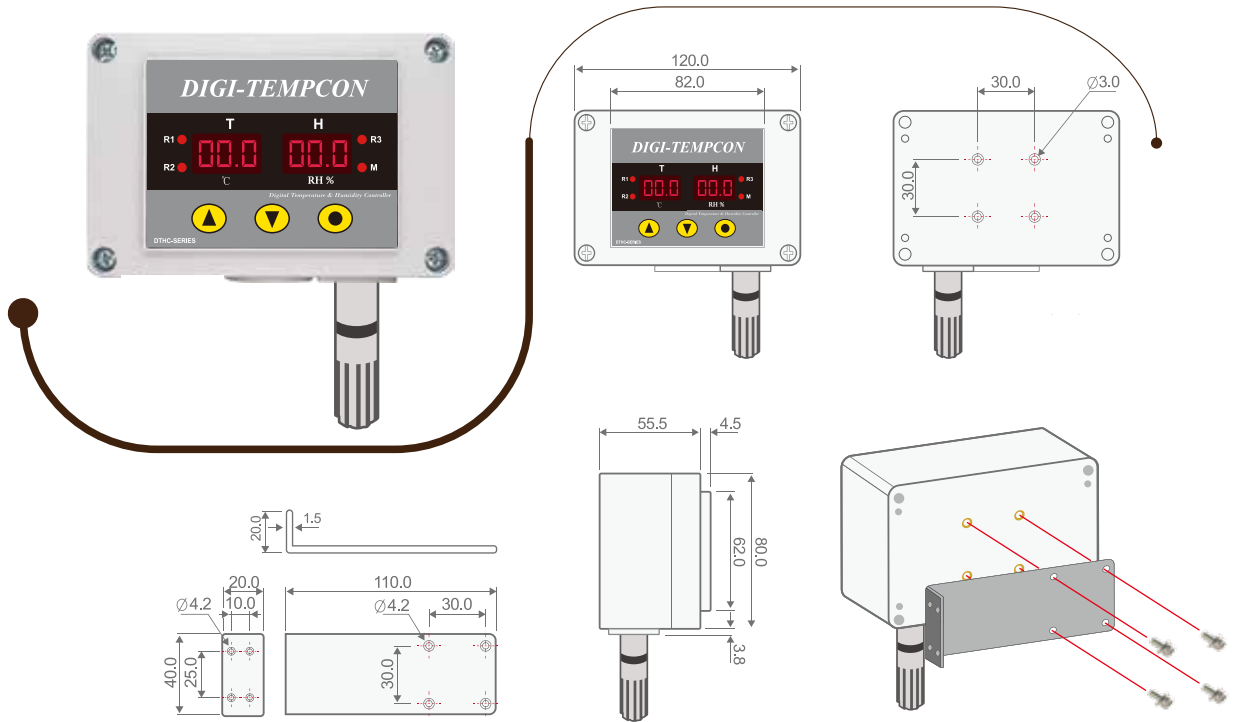
## DTC SERIES Assembly development diagram



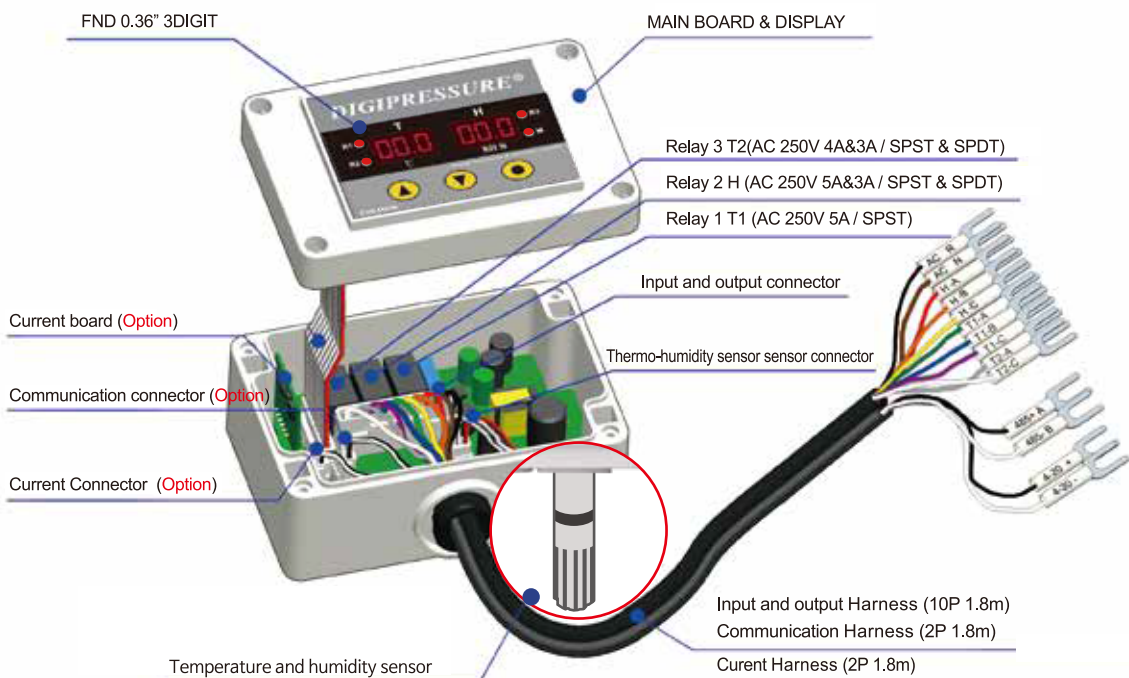


# DTHC SERIES

## DTHC SERIES Installation type diagram



## DTHC SERIES Assembly development diagram





## DTHC Type and Specifications



### Temperature/humidity sensor 1 (temperature/humidity integral)

Temperature 2 points, Humidity 1 point  
Set temperature value can be entered in 0.1 °C increments  
Setting humidity value can be entered in 0.1% increments  
Temperature range: -30°C to 120°C  
Range: 0.0% to 99.9%

### SEP-TYPE

- Power : 100-230V DC24V ±10% 50-60Hz
- Temperature : -20~80°C / Humidity 10~90%



### SHORT-TYPE

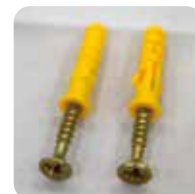
- Power : 100-230V DC24V ±10% 50-60Hz
- Temperature : -20~80°C / Humidity 10~90%



### LONG-TYPE

- Power : 100-230V DC24V ±10% 50-60Hz
- Temperature : -20~80°C / Humidity 10~90%

## DTHC additional configuration

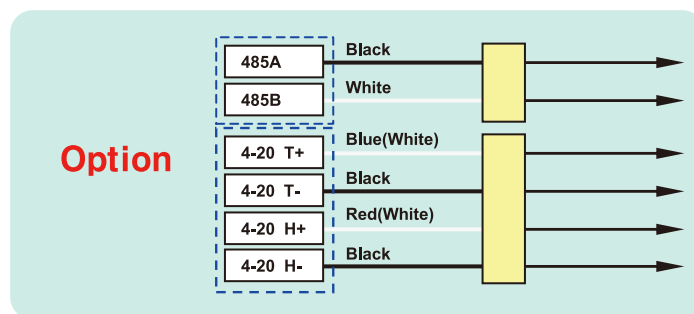
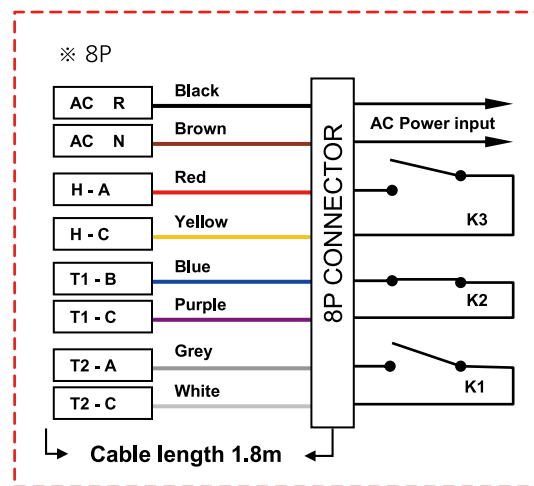
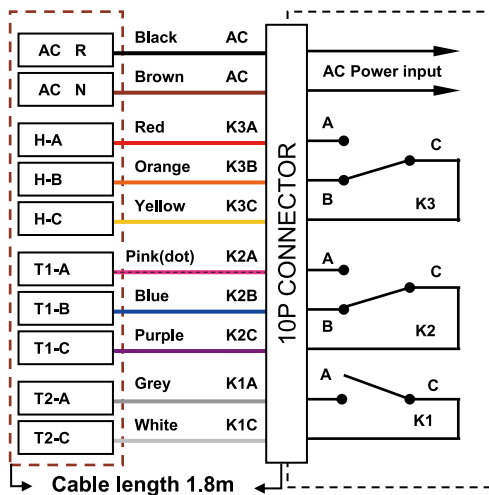


# DTHC specification table

DTHC SERIES		Specifications	Application function	ensor	OUTPUT			electric current (Option)	RS-485 (Option)
					T1	T2	H		
DTHC	SEP	Temperature : -30 ~ 120 °C Humidity : 0.0 ~ 99.9%	Environmental temperature and humidity measurement	1	1	1	1	O	O
	SHORT								
	LONG								

## DTHC - 10P

## Connection diagram of cables



# GPT SERIES

| pressure cell (ceramic, SUS)



- Pressure : -1 ~ 10, 20, 30, 50, 100 kgf/cm<sup>2</sup>
- Voltage : 0.5~4.5 (5 VDC)

| GPS – 010/020/050/100



- Pressure : -1 ~ 10, 20, 30, 50, 100 kgf/cm<sup>2</sup>
- Voltage : 0.5~4.5 (5 VDC)

| GPTA – DIN 070



- Pressure : -1 ~ 70 kgf/cm<sup>2</sup>
- Voltage : 4~20mA (12~24 VDC)

| GPTA – 010/030/050



- Pressure : -1 ~ 10, 30, 50 kgf/cm<sup>2</sup>
- Voltage : 4~20mA (8~30 VDC)

| GPTM – MODULES



- Pressure : -1 ~ 10, 30, 50, 100 kgf/cm<sup>2</sup>
- Temperature : -20 ~ 60 °C RH 60%
- Sensor : 0.5% FS  
OUTPUT : 0-50 kgf/cm<sup>2</sup>  
(4-20mA) or 1-5V or 10-10V

DPC

OPC

LPC

DPF

INV

MPC

DVS

DTC

DTHC

**GPT**

ACC

# ACCESSORY

pressure switch



pressure switch (welding type)



spark killer



MPC CABLE(18P)  
2m



level switch



DPC CABLE(10P)  
1.8m



flow detector



Communication Current CABLE(2P)  
1.8m



temperature Sensor



MPC GAUGE PANEL



trance



pressure sensor



EEV direct acting



EEV gear type











# D I G I P R E S S U R E



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