TEMPERATURE/ HUMIDITY TRANSDUCER

▣Ordering information

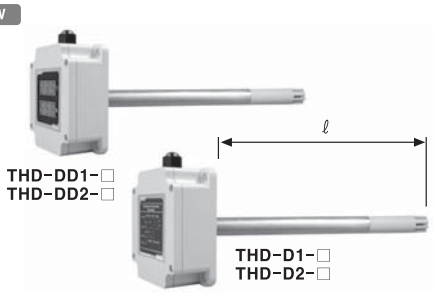
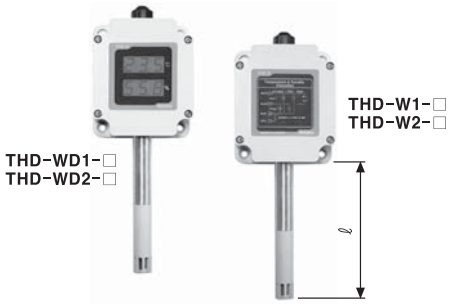
THD – D D 1 – C

Output	※	PT	Temperature sensor resistance value(PT100Ω)
	※	PT/C	Temperature sensor resistance value(PT100Ω) / Current output(DC4–20mA)
		C	Current output(DC4–20mA)
		V	Voltage output(1–5VDC)
		T	RS485 communication output(MODBUS RTU)
Length of sensor pole	※		Built–in type
		1	100mm
		2	200mm
Display			Non–Display type
		D	Display type
		R	Room type(For indoor)
		D	Duct mounting type
		W	Wall mounting type
		THD	Temperature Humidity Double

※It is only for THD–R series.

▣Specifications

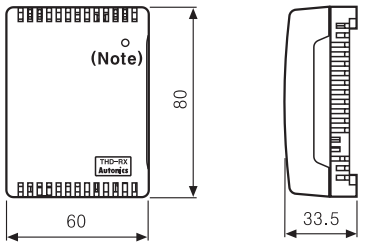
Model		THD-R-RT	THD-R-PT/C	THD-R-C	THD-R-V	THD-R-T
Appearances & Dimensions		NEW  [W60×H80×L33.5mm]				
Power supply		————	24VDC ±10%			
Power consumption		————	Max. 2.4W			
Input		————	Temperature, Humidity transducer(Built–in)			
Output	Temp.	Temperature transducer (Pt100Ω)	Temperature transducer (Pt100Ω)	4–20mADC	1–5VDC	RS485 communication output
	Humidity	————	4–20mADC	4–20mADC	1–5VDC	RS485 communication output
Measuring range	Temp.	0 ~ 50℃	0 ~ 50℃	−19.9 ~ 60℃		
	Humidity	————	0 ~ 99.9%RH			
Output accuracy	Temp.	±0.8℃(0~50℃)	±0.8℃(0~50℃)	±0.5℃(5~40℃)		±0.5℃(5~40℃)
	Humidity	————	Max. ±3%RH(30~70%RH, at 25~45℃)			
Sampling cycle		0.5sec fixed				

Model		THD-D□-C THD-DD□-C THD-W□-C THD-WD□-C	THD-D□-V THD-DD□-V THD-W□-V THD-WD□-V	THD-D□-T THD-DD□-T THD-W□-T THD-WD□-T
Appearances & Dimensions		NEW  [W72×H85mm]  ※Length of sensing head(ℓ) ☞ **1**:100mm, **2**:200mm		
Power supply		24VDC ±10%		
Power consumption		Max. 2.4W		
Input		Temperature/Humidity transducer(Built–in)		
Output	Temp.	4–20mADC	1–5VDC	RS485 communication output
	Humidity	4–20mADC	1–5VDC	RS485 communication output
Measuring range	Temp.	−19.9~60.0℃		
	Humidity	0.0~99.9%RH		
Output accuracy	Temp.	Max. ±0.5℃(at 5~40℃)		
	Humidity	Max. ±3%RH(30~70%RH, at 25~45℃)		
Sampling cycle		0.5sec fixed		

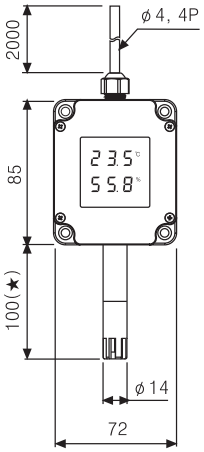
TEMPERATURE/ HUMIDITY TRANSDUCER

▣Dimensions

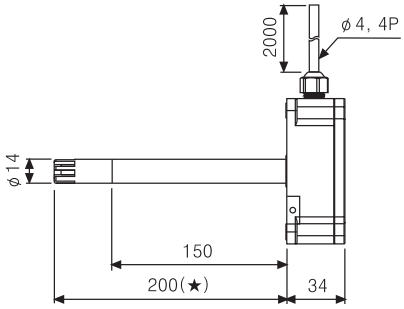
●THD-R-□, THD-R-RT, THD-R-RT/C



●THD-W□-□, THD-WD□-□



●THD-D□-□, THD-DD□-□

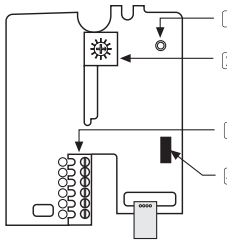


※(★) Refer to ordering information to select the one with 2 sensing poles.
※THD-DD□-□, THD-WD□-□ have display unit.

Unit:mm

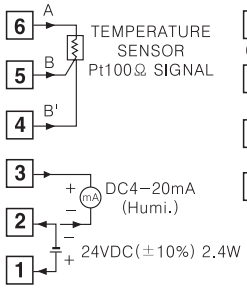
▣Connections

◎THD-R Series

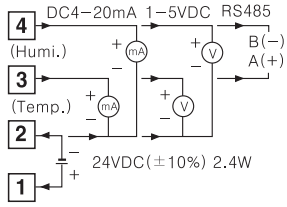


●Terminal connections

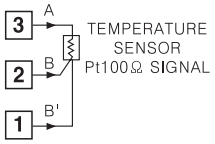
• THD-R-PT/C



• THD-R-C, V, T

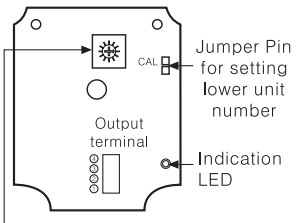


• THD-R-PT

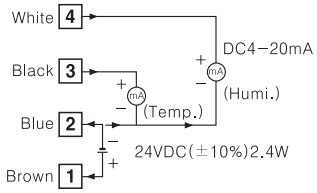


※Please wire properly considering the power, after check terminal connection.

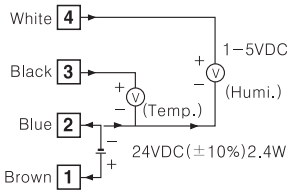
◎THD-D, THD-DD, THD-W, THD-WD Series



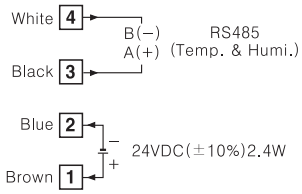
• Current output



• Voltage output



• Communication output

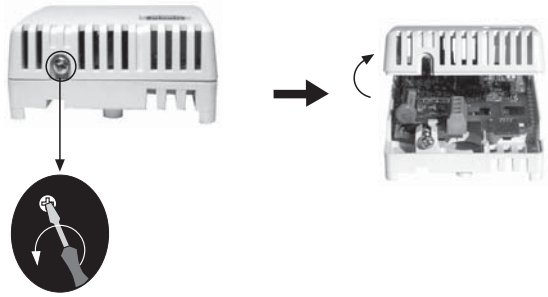


※Please open case cover only for setting communication, operate setting switch of communication and set ID, communication speed.

▣Case detachment

●THD-R Series

Unfasten the bolt on the bottom of product, and seperate the case from it.



●THD-D, THD-DD, THD-W, THD-WD Series

Unfasten 4 bolts on the top of product, and seperate the case.