chanhvinh.com

Large displays

For temperature

Large 57 mm LED display, 3, 4 or 5-digits

D060T, D065T



D065T - large display

Features

- **Temperature input: Pt100, thermal element J,K,T**
- **Display in °C, 1/10 °C, °F or 1/10 °F**
- **LED display, 3-color for D065T**
- **Clearly legible in 30 m distance**
- **Programmable parameters**

Technical data - electrical ratings	
Voltage supply	100...240 VAC ±10 % (50/60 Hz)
Power consumption	3.5 VA per digit
Number of digits	3-digits 4-digits 5-digits
Digit height	57 mm
Display range	-19999...99999 ("OuE" to signal overflow)
Display refresh	500 ms
Function	Digital display of 1 analog measured value
A/D transformer	Principle ∑Δ Resolution 16 bit Measuring rate 25/s Measuring accuracy: Pt100 1°: ±(0.1% +1-digit) Pt100 0.1°: ±(0.1% +3-digits) Thermoc. 1°: ±(0.4% +1-digit) Thermoc. 0,1°: ±(0.1% 0.5-digits) Temp. coeffic. 100 ppm/°C
Analog input	Temperature: Pt100, thermocouples J,K,T
Programmable parameters	Measuring unit Resolution Display offset Relay outputs with time delay or hysteresis Display color Limits for alarm outputs
Data memory	>10 years in EEPROM
Outputs relay	Change-over contact, floating
Standard DIN EN 61010-1	Protection class II Overvoltage category II Pollution degree 2
Emitted interference	DIN EN 61000-6-3

Technical data - electrical ratings	
Interference immunity	DIN EN 61000-6-2
D060T	
Display	LED, 7-segment display red
D065T	
Display	LED, 7-segment display, 3 colors - red, green, amber

Technical data - mechanical design	
Ambient temperature	0...+50 °C
Storage temperature	-10...+60 °C
Relative humidity	95 % non-condensing
Connection	Plug-in screw terminal connector MIL-connector, 3-pin Connector D-SUB, 9-pin
Core cross-section	1.5 mm²
Operation / keypad	3 short-stroke keys on lower side
Housing type	Surface mount housing with mounting bracket
Housing colour	Black
Dimensions W x H x L	210 x 125 x 120 mm (3-digits) 290 x 125 x 120 mm (4-digits) 290 x 125 x 120 mm (5-digits)
Mounting	Surface mount housing Wall mount with mounting angle
Weight approx.	2.5 kg
Material	Housing: aluminium
D060T	
Protection DIN EN 60529	IP 41
D065T	
Protection DIN EN 60529	IP 65

Subject to modification in technic and design. Errors and omissions excepted.

chanhvinh.com

Large displays

For temperature

Large 57 mm LED display, 3, 4 or 5-digits

D060T, D065T

Part number

Display, red

D060T.1 [ ] **S4A01**

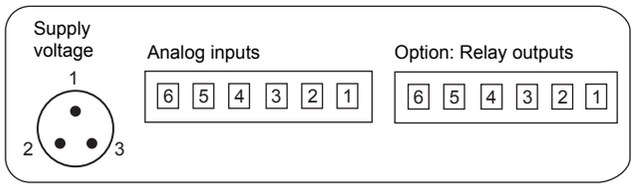
	Display
3	3-digits
4	4-digits
5	5-digits

Display red, green, amber

D065T.1 [ ] **S4E01**

	Display
3	3-digits
4	4-digits
5	5-digits

Connection diagram



Terminal assignment

Inputs

Voltage supply

Terminal	Assignment
1	Voltage supply
2	Voltage supply
3	Ground

Analog inputs

Terminal	Assignment
1	Ground
2	Pt100 Common / Thermocouple -
3	Pt100
4	Pt100 / Thermocouple
5	–
6	–

Outputs

Alarm outputs / two relay

Terminal	Assignment	
1	normally closed	relay 1
2	changeover	
3	normally open	
4	normally closed	relay 2
5	changeover	
6	normally open	

Inputs and outputs

Thermocouple	Resolution (°)	Resolution (0.1°)
Pt100	-200...+800 °C -328...+1472 °F	-100.0...+200.0 °C -148.0...+392.0 °F
Thermocouple J	-50...+850 °C -58...+1562 °F	
Thermocouple K	-50...+1250 °C -58...+2282 °F	
Thermocouple T	-200...+400 °C -328...+752 °F	

Analog input

Cold junction compensation	0...50 °C
Measuring current Pt100	<1 mA
Line resistance	Max. 20 Ω

Relay outputs

Switching voltage max.	60 VAC / VDC
Switching current max.	2 A
Switching performance max.	150 VA / 30 W

Subject to modification in technic and design. Errors and omissions excepted.