

S/6/68/2014/44314

6

ANNEXURE- A1

Specification of Digital Temperature Controller (1 Relay Output Type)

Input Power	220 V AC , 50 Hz
Signal Input	1 or 2 NTC Probe suitable for Digital Controller (water proof)
Dimensions	32 x 74 x 50 mm approx. (+ 20 %)
Application	Off cycle defrost designed for refrigeration application at normal temperature. Differential or timer option for operation.
Output	1 relay output to drive the compressor (16A or above, 250V AC)
Mounting Type	Flush panel mounting with fasteners.
Display	LED Display.
Operating Temperature	0° C to 50° C (Non- Condensing)
Set Point Setting	Manual
Spare	01 No. NTC probe has to be supplied along with the each controller
Protection	IP65 water and dust protection
Scale Range	-40° C to 50° C
Accuracy	+/- 0.5% of scale range



Ranjay Kumar  
Sr. Engr. (WEX-AC)

5/6/60/2014/4431 Y

5

ANNEXURE- A2

Specification of Digital Temperature Controller (2 Relays Output Type)

Input Power	24-240V AC , 50 Hz
Signal Input	1 or 2 NTC, PT100 Probe suitable for Digital Controller (water proof)
Dimensions	35 x 75 x 55 mm approx. (+ 20 %)
Application	Off cycle defrost designed for refrigeration application at normal temperature. Differential or timer option for operation.
Digital Input	Programmable Alarm action, hysteresis and time delays.
Output	2 relay output to drive the compressor, hot gas bypass valve.
Mounting Type	Flush panel mounting with fasteners.
Display	LED Display. Auto ranging, three digit display with decimal point resolution.
Operating Temperature	0° C to 50° C (Non- Condensing)
Set Point Setting	Manual
Spare	01 No. of suitable probe has to be supplied along with the each controller
Protection	IP65 water and dust protection
Scale Range	-40° C to 50° C for NTC and -99° C to 100° C for PT 100
Accuracy	+/- 0.5% of scale range



Ranjay Kumar  
Sr-Engr. (WEX-AC)

S/6160/2014/44314 (4)

ANNEXURE- A3

**Specification of Digital Temperature Controller (4 Relays output Type)**

Input Power	24-240V AC , 50 Hz
Signal Input	PT100, J/K thermocouple Probe suitable for Digital Controller (water proof)
Dimensions	35 x 75 x 55 mm approx. (+ 20 %)
Application	Off cycle defrost designed for refrigeration application at normal temperature. Differential or timer option for operation.
Digital Input	Programmable Alarm action, hysteresis and time delays.
Output	4 relay output to drive the compressor, hot gas bypass valves, Condenser Fans.
Mounting Type	Flush panel mounting with fasteners.
Display	LED Display. Auto ranging, three digit display with decimal point resolution.
Operating Temperature	0° C to 50° C (Non- Condensing)
Set Point Setting	Manual
Spare	01 No. of suitable probe has to be supplied along with the each controller.
Protection	IP65 water and dust protection.
Scale Range	-99° C to 100° C for PT 100 and 0° C to 999° C for J/K thermocouple.
Accuracy	+/- 0.5% of scale range.



Ranjay Kumar  
Sr. Engr. (WEX-AC)