FEATURES

• Microprocessor based, with LCD display

• Measures space temperature or accepts 0-10Vdc input

• Measures fluid temperature at the inlet and outlet of the heat-exchanger/coil and calculates temperature differential ΔT

• Limits maximum flow rate of fluid through a heat-exchanger/coil, overrides space condition control signal in case of ΔT drop.
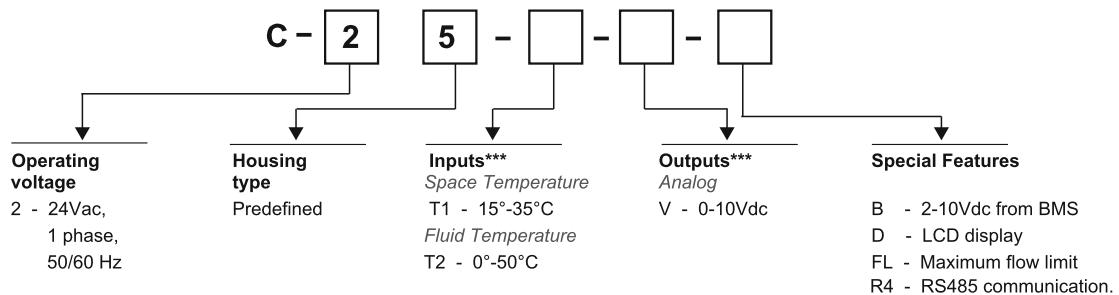
BENEFITS

• Used with High Rangeability control valve control space conditions, as well as limit maximum flow rate.

• Makes the system self-balancing

• Eliminates balancing valves

• Prevents low ΔT syndrome, ensures high chiller efficiency

TECHNICAL DATA

Operating voltage		:	24Vac ±10%
Output control signal		:	0-10Vdc
Sensing element	Temp.	:	NTC Thermistor
	Voltage	:	0-10Vdc signal from transmitter
Sensing accuracy	Temp.	:	±0.5°C
Display type*		:	2 line, alphanumeric, dotmatrix, STN, LCD with backlight
Terminals		:	Accept max. 2.5 sq. mm cable
Permissible ambient temp.		:	(-)20° - 40°C
Protection		:	IP 30

MODEL DESIGNATION

C – [2] [5] – [ ] – [ ] – [ ]

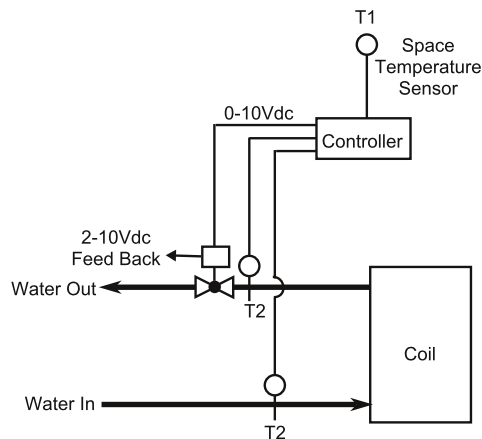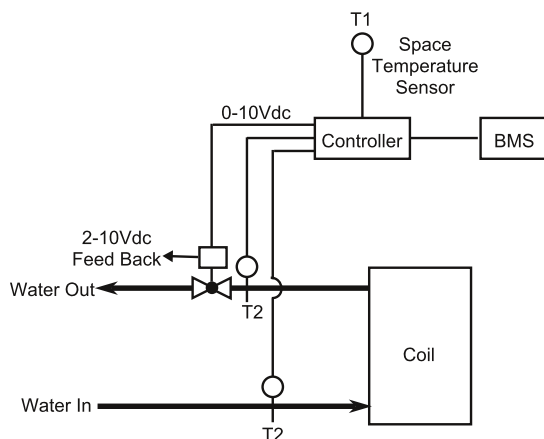| Operating voltage	Housing type	Inputs***	Outputs***	Special Features
2 - 24Vac, 1 phase, 50/60 Hz	Predefined	*Space Temperature* T1 - 15°-35°C *Fluid Temperature* T2 - 0°-50°C	*Analog* V - 0-10Vdc	B - 2-10Vdc from BMS D - LCD display FL - Maximum flow limit R4 - RS485 communication.

NOTES :

• *** Incase of more than one input/output, the type of multiple input/output shall be specified in the same block, i.e., T1.T2, etc.

• *** Incase of input from external sensor write E prior to that input, i.e., ET1.ET2, etc.

Control Schematic

Control Schematic - with BMS

✱ applicable to models (B) BMS compatible
applicable to models (R4) RS485 Communication

Wiring Diagram

C-25-ET1.2ET2.V-V-B.D.FL.R4

Room temp.	1
GND	2
Water in temp.	3
GND	4
Water out temp.	5
GND	6
*2-10Vdc I/P (BMS)	7
GND	8
0-10Vdc O/P	9
GND	10
	11
	12
RS 485# Comm — A	13
B	14
	15
	16
24Vac — N	17
L	18