

ECB-PTU-107



ECB-PTU-207



ECB-PTU-208



ECB-PTU-307



ECB-PTU-308



General

Controller Status LED	■	■	■	■	■
DIN-Rail Mounting	■	■	■	■	■

Inputs

Universal Inputs	2	2	2	2	2
Digital Inputs	3	3	3	2	3
Sensor Inputs (NTC 10 kΩ Type II, III)	1	1	1	2	1
Room Devices ¹	4	4	4	4	4
Wireless inputs ²	24	24	24	24	24

1. A controller can support a maximum of two Allure EC-Smart-View models equipped with a CO₂ sensor. The remaining connected Allure EC-Smart-View models must be without a CO₂ sensor.

2. All controllers are Open-to-Wireless ready. Available when an optional Wireless Receiver is connected to the controller. Some wireless sensors may use more than one wireless input from the controller.

Outputs

Relay Contact Outputs (<i>typ. Electric Heater</i>)	1 x 2 kW	1 x 2 kW	1 x 2 kW	2 x 1 kW	1 x 2 kW
Powered Relay Outputs (<i>typ. Fan Speeds</i>)	3	3	3	3	3
Line-Powered Triac Outputs (<i>typ. Valves</i>)	2	2		4	
24 VAC Triac Outputs (<i>typ. Valves</i>)			2		4
Analog Outputs		4	2	2	2
24 VAC Power Supply Outputs			■		■

Power Input

100-240 VAC	■	■	■	■	■
Power Status LED Indicators	■	■	■	■	■

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Programming – Configuration

EC-gfxProgram	■	■	■	■	■
Pre-Engineered Applications	■	■	■	■	■

Communication

BTL Listing Profile	B-ASC	B-ASC	B-ASC	B-ASC	B-ASC
BACnet MS/TP	■	■	■	■	■
MAC Addressing					
- Allure™ EC-Smart-View sensor	■	■	■	■	■
- Dip Switch	■	■	■	■	■
Rx LED Indicators	■	■	■	■	■
Tx LED Indicators	■	■	■	■	■

BACnet Objects

BACnet Calendar Objects	1	1	1	1	1
BACnet Schedule Objects	2	2	2	2	2
BACnet PID Loop Objects	8	8	8	8	8
BACnet BV Objects					
- Commandable	10	10	10	10	10
- Non-Commandable	40	40	40	40	40
BACnet MSV Objects					
- Commandable	10	10	10	10	10
- Non-Commandable	40	40	40	40	40
BACnet AV Objects					
- Commandable	25	25	25	25	25
- Non-Commandable	75	75	75	75	75

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Recommended Applications

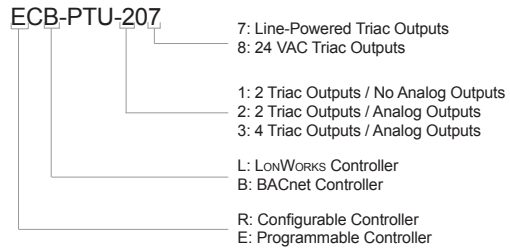
FCU: 2/4 pipes - 3 speed fan - On/Off / thermal valves	■				
FCU: 2/4 pipes - Variable / 3-speed fan - On/Off/ thermal valves		■	■		
FCU: 2/4 pipes - Variable / 3-speed fan - Analog actuator		■	■		
FCU: 2 pipes - Variable / 3-speed fan - Floating actuator		■	■		
FCU: 4 pipes - Variable / 3-speed fan - Floating actuator				■	■
HPU: 3-speed fan	■				
HPU: Variable speed fan		■	■		
Chilled Beam: On/Off / thermal valves	■		■		
Chilled Beam: 2 pipes - Floating actuator		■	■		
Chilled Beam: 4 pipes - Floating actuator				■	■
6-Way Valve Application		■	■		
Small AHU		■	■		
Unit Ventilator		■	■		
Double FCU Application: 2/4 pipes - Variable speed fan -- On/Off / thermal valves				■	■
Double Chilled Beam Application: 2/4 pipes - On/Off / thermal / analog valves				■	■

Compatibility

Open-to-Wireless™ ready	■	■	■	■	■
ECx-Light/Blind Modules Support ³	■	■	■	■	■
Allure™ RS Series Analog Room Sensors	■	■	■	■	■
Allure EC-Sensor Series Analog Room Sensors	■	■	■	■	■
Allure EC-Smart-Vue Series Digital Room Sensors	■	■	■	■	■
EC-Multi-Sensor Series	■	■	■	■	■
Max number of Digital Room Devices per controller	4	4	4	4	4

3. All PTU Series controllers support 2 ECx-Light + 2 ECx-Blind, in daisy-chain configuration.

Controller Naming Conventions:



Total Quality Commitment

All Distech Controls Product lines are built to meet rigorous quality standards. Distech Controls is an ISO 9001 registered company.

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