

# Stepper Coldroom




Designed to operate a low or high-temperature coldroom via the control of a motorised Stepper Expansion Valve, the new Stepper Coldroom panel uses the proven technology that is already found within the standard coldroom control panel range (PR0150).

Contained within a purpose built enclosure with detachable remote display, the Stepper Coldroom Panel can be configured to include a variety of networking and electrical safety options dependent upon specific needs.

Optional integrated networking solutions allow users to connect the Stepper Coldroom Controller directly to a network without the need for an additional interface module. Integrated connectivity options include Ethernet IP or RS485 (Genus protocol).



# Technical Specifications

Feature	Specification
Inputs	6 x Resistive Probe Inputs (Selectable) 1 x Entrapment Alarm and Door Status (0 Volt Return) 1x Pressure Transducer Input 4-20mA or 0-10V
Outputs	1 x LLV (10v non inductive) 1 x Stepper Valve Max 825mA (24vdc) Chopper Drive Bi-Polar 1 x Defrost 20A (non inductive) 1 x Fans 6A (non inductive) 1 x Lights 6A (non inductive) 1 x 1A Permanent Output Voltage (Fuse Protected 1A)
Communication	RS232 - allows external RDM communication module to be used Ethernet IP XML Built-in (Optional) RS485 Genus Built-in (Optional)
LCD Display	Four Character, Seven Segment LED, Including 5M (16.4ft) Cable
Power	Supply Voltage Range: 100 - 240 Vac ±10% Supply Frequency: 50 - 60 Hz Maximum Supply Current: 40 Amps, Inlet power cable must be a minimum cross-sectional area of 2.6mm (10 AWG)
Environmental	Operating Temperature: 5°C to 50°C (41°F to 122°F) Operating Humidity: 80% Maximum
Dimensions (H x W x D)	300 x 240 x 140 mm (11.9 x 9.5 x 5.5 in)
Approx. Weight	2.2 Kg (4.9 lbs)
Certifications	  

For full technical specifications, please refer to the user documentation, available from the Support section of the RDM website.



## Flexible Networking

Optional integrated networking solutions allow you to connect directly to your network without the need for an additional interface module.



## Energy Efficient

MCB protection and energy saving features included as standard, with optional mains isolation switch.



## Remote Display

For flexibility, the panel display on the Coldroom Controller is removable and can be wall mounted away from the control box.

# Ordering Information

Dependent upon requirement, many hardware options are available on the Stepper Coldroom. Options include IP or RS485 Communications and no isolator switch. See ordering information below, for details.

## Stepper Coldroom Controller - PR0150-SXY

X Options	Isolator
N	No Isolator
S	Isolator
Y Options	Communications
IP	IP
485	RS485

## Accessories

Description	Part Number
Pressure Transducer	PR0160- PR0164
PT1000 Air probe	PR0170
PT1000 Pipe Probe	PR0180
IP Futura (DIN Option)	PR0016 / DIN
Mercury Switch (Fibre & PHI Options)	PR0018



5 Year Warranty