

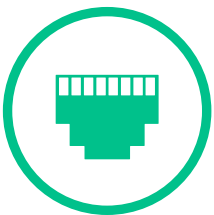


Resource
Data Management

Coldroom Controller

Based upon the Mercury Controller range from RDM, the Coldroom Controller is designed to operate low temperature and high temperature cold rooms and is available in electronic expansion valve and liquid line valve build options.

The Coldroom Controller is contained within a purpose developed enclosure with a detachable remote display and can be configured to include a variety of networking and electrical safety options depending on your specific needs.



Flexible Networking Options

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



Safe and Energy Efficient

The Coldroom Controller is available with or without a mains isolation switch, built in circuit breakers or circuit fusing and a host of energy saving features including configurable lighting, built-in alarm buzzer, defrost skip, and fan pulse control.



Remote Display

For flexibility, the panel display on the Coldroom Controller is removable and can be wall mounted away from the control box. The entire controller can be PIN protected via the display for preventing unauthorised access.

Controller Build Options



PR0150-E

Wall Mounted Coldroom Panel Controller for EEV

Description (Part Number)

- Isolator Switch, Breakers (PR0150-ESB)
- Isolator Switch, Fused (PR0150-ESF)
- Isolator Switch, Breakers & IP Comms (PR0150-ESBIP)
- Isolator Switch, Fused & IP Comms (PR0150-ESFIP)
- Isolator Switch, Breakers & RS485 Comms (PR0150-ESB485)
- Isolator Switch, Fused & RS485 Comms (PR0150-ESF485)



PR0150-M

Wall Mounted Coldroom Panel Controller for LLV/Compressor

Description (Part Number)

- Isolator Switch, Breakers (PR0150-MSB)
- Isolator Switch, Fused (PR0150-MSF)
- Isolator Switch, Breakers & IP Comms (PR0150-MSBIP)
- Isolator Switch, Fused & IP Comms (PR0150-MSFIP)
- Isolator Switch, Breakers & RS485 Comms (PR0150-MSB485)
- Isolator Switch, Fused & RS485 Comms (PR0150-MSF485)

Technical Specifications

Feature	Specification
Inputs	6 Analogue Inputs supporting PT1000, NTC2K, 470R, 700R, 3K, 5K, 6K, NTC2K25, NTC10K or NTC10K(2) temperature probes (note: probe types cannot be mixed). Optional configuration of inputs for digital operation, secondary functions (e.g. case clean switch, plant fault alarm etc.) 2 Digital Inputs for door open and entrapment switch.
Relay Outputs	5 relay outputs (Relays 2, 3 & 5 protected by MCB) Relay 1 (E Models) (SSR) - 1.5A (24 to 250Vac, 30Vdc) resistive Relay 1 (M Models) - 10A (250Vac, 30Vdc) resistive (COS ϕ =0.4 8A Inductive load/COS ϕ =0.6 0.5 HP Motor Load) Relay 2 (Fans) - 8A (250Vac, 30Vdc) resistive (COS ϕ =0.4 8A Inductive load) Relay 3 (Lights) - 8A (250Vac, 30Vdc) resistive (COS ϕ =0.4 6A Inductive load) Relay 4 (Alarm) - 3A (250Vac, 30Vdc) resistive, configured for volt free operation Relay 5 (Defrost) - 20A (250Vac, 30Vdc) resistive (COS ϕ =0.4 8A Inductive load) 2 Permanent Live outputs Output 1 - Fused 5A(T) , Output 2 - Fused 1A(T)
Power	100-240Vac +/-10% 50hz, maximum 50A with relays fully loaded.
Environmental	Operating temperature: 5° to 50°C (41° to 122°F) Operating humidity: 10% to 80% (non condensing)
Dimensions	300 x 240 x 130mm (11.8 x 9.43 x 5.1in)
Weight	2.2kg (4.8lb) - Final weight dependent on selected build options.



Coldroom Controllers are backed by Resource Data Management's industry leading five year warranty.

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