

SmaRt Controller Range

Low cost temperature control

The low cost temperature controllers from Resource Data Management, SmaRt, come in a range of hardware builds to suit a host of potential temperature control applications. The software is incredibly flexible to ensure that the controllers perform in many scenarios.

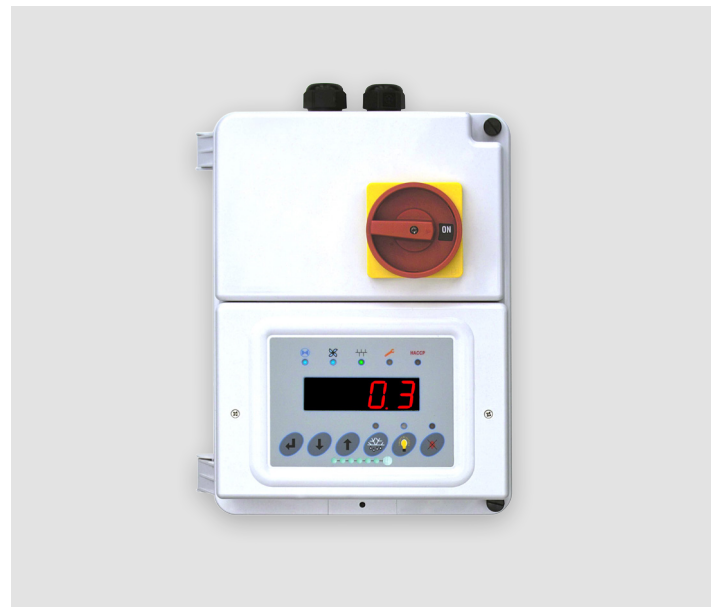
With an array of impressive features and benefits plus add-on accessories, the SmaRt controller range is perfect for cost-effective temperature due-diligence where networking is not a primary requirement.



SmaRt Controller - PR0940 (Panel)/PR0942 (DIN)

Features:

- Up to two temperature inputs and three relays
- Panel and DIN Rail mount options
- Switched mode power supply
- Optional communications interfaces (IP/RS485)
- Three digit display
- Pre-programmed out of the box
- Status LEDs
- Over temp/under temp alarms
- PIN protection
- Energy saving defrost skip
- Defrost timer



SmaRt Coldroom - PR0946

Features:

- Two temperature probe inputs
- Door switch input
- Person trap alarm input
- Four fused relay outputs
- Optional 40amp isolator switch
- Three selectable built-in configuration modes
- Built-in configuration display with keypad
- Notification LEDs and alarm sounder



Accessories to Match your Requirements

For those who need their SmaRt Controller or Coldroom to do a little more, we provide a group of functionality enhancing accessories including the Mercury Switch, Caesium Programming Key and Networking Modules.



Safe and Energy Efficient

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

Technical Specifications PR0940/942

Feature	Specification
Up to 2 Probe Inputs	Supporting NTC2K.
Up to 3 Relay Outputs	1x 8A (250Vac,30Vdc) resistive load, (5A COS θ =0.4 Inductive load) 2x 3A (250Vac,30Vdc) resistive load, (2A COS θ =0.6 Inductive load)
Power	90-240Vac +/-10% 50-60hz (Typ. <1A) Class II Insulation
Operating Temperature	0°C to 50°C (32°F to 122°F)
Storage Temperature	-20°C to +65°C (-4°F to 149°F)
Operating Humidity	10% to 80% (non-condensing)
Dimensions (H x W x D)	DIN Rail Mount: 130 x 52.5 x 67mm (5.2 x 2.1 x 2.64in) Panel Mount: 78 x 36 x 67mm (3.1 x 1.42 x 2.64in)
Weight	200g (0.44lb) DIN Mount 140g (0.30lb) Panel Mount
Panel Mount Cut Out Size (H x W)	29 x 70mm (2.76 x 1.14in)
Certifications	

Please Note: The SmaRt Controller (PR0940/942) does not support electronic expansion valve control or stepper valve control. For these applications please refer to our Mercury Controller range.

Technical Specifications PR0946

Feature	Specification
Inputs	2 NTC2K temperature probe inputs.
Relay Outputs	4 fused relay outputs. Maximum relay current: 12.5 Amp resistive load. 8 Amp inductive load. COS θ =0.4 Switched output voltage: Same as supply voltage Relay terminals: 2.5mm CSA
Power	100-240Vac +/-10%, 50-60hz
Operating Temperature	0°C to 50°C (32°F to 122°F)
Storage Temperature	-20°C to +65°C (-4°F to 149°F)
Operating Humidity	10% to 80% (non-condensing)
Dimensions (H x W x D)	300 x 240 x 140mm (11.82 x 9.45 x 5.51in)
Weight	1.6kg (5.52lb)
Certifications	

