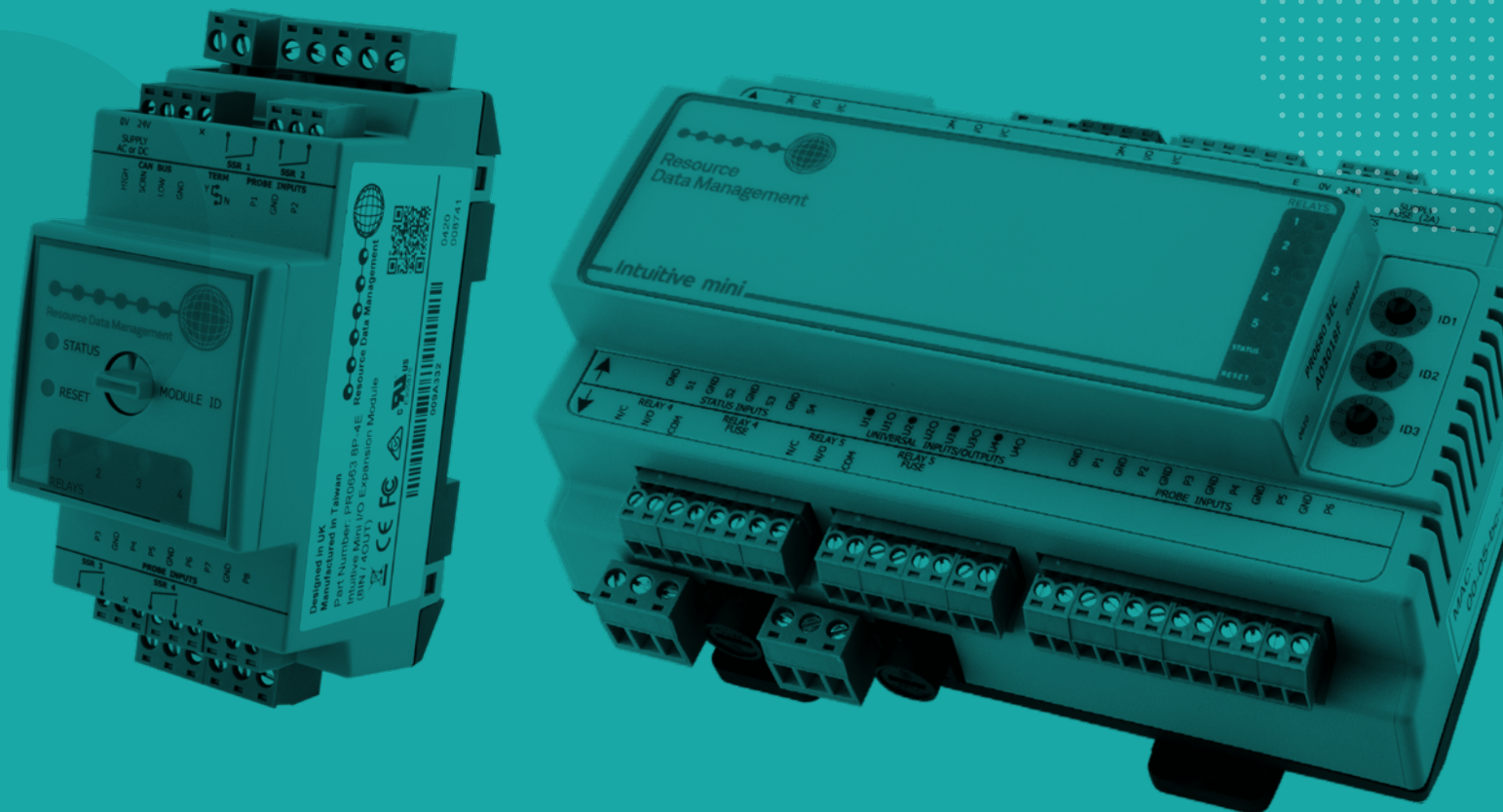


Mini Intuitive 3 SSR Pulse EEV Case Controller



MULTI-EVAPORATOR SINGLE REFRIGERATION CASE CONTROL FOR PULSE EEVS

Part of an extensive line of case control products by Resource Data Management (RDM), the Mini Intuitive 3 SSR EEV Pulse Case Controller controls multi-evaporator, single refrigeration cases. It can control up to three pulse electronic expansion valves (EEV).

Built in a small-format design, it requires little space and lowers installation costs. Its base inputs and outputs (I/O) are extended by the Mini Intuitive 8P-4E Expansion Module which adds four solid-state relays (SSR) and eight probe inputs. The expansion module is required for the intended operation of the controller. The controller and expansion module can be purchased together in a kit, or individually for spares and replacements. Display capabilities are available using the compatible Mercury Remote Display.

The controller integrates seamlessly into the existing RDM suite of energy saving features available on control system head-end, DMTouch. It allows for remote defrost and case light scheduling, case performance monitoring, maximum operating pressure (MOP) protection and alarm monitoring, and rack shutdown support.

Overview

The Mini Intuitive 3 SSR Pulse EEV Case Controller provides outputs for lights, fans, defrost, anti-sweats and alarming on a single refrigeration case, as well as control of up to three pulse EEV valves for the coordinated control of three evaporator sections. It contains logic for staggered modulation of EEVs during controller start-up or after defrost to reduce the impact of liquid hammer.

Two control applications – medium temperature and low temperature case control – are pre-programmed for quick and easy setup. Adjustable control temperatures of each evaporator are monitored. Alarms are triggered according to specified over and under temperature levels. Alarm delays can be set up to prevent premature alarms.

Key Features

- Temperature or superheat evaporator control using SSRs for pulse EEV control.
- Control of fans, defrost heater, lights, and anti-sweats.
- Energy-saving defrost skip algorithm.
- Maximum Operating Pressure (MOP) protection and alarm monitoring.
- Rack shutdown and recovery support.



L I G H T C O N T R O L



D E F R O S T - S K I P



V A L V E C O N T R O L



Y E A R W A R R A N T Y

Technical Specifications 3 EEV Case Controller

FEATURE	SPECIFICATION
Inputs	6 Probe Inputs 4 Digital Inputs
Universal I/O	4 Universal IO
Outputs	5 Relay Outputs
Networking	1 Ethernet 1 CAN bus
Accessories	1 Remote Display 1 USB port 1 Micro USB OTG port
Supply Voltage Range	24 Vac \pm 10% or 24 Vdc \pm 10%
Supply Frequency	50 – 60 Hz \pm 10%
Max. Supply Current	1.8 Amp
Typical Supply Current	0.3 Amp

Technical Specifications Expansion Board (Mini Intuitive Stepper)

FEATURE	SPECIFICATION
Inputs	8 Probe Inputs
Universal I/O	4 SSR
Networking	CAN bus



ORDERING INFORMATION

FEATURE	SPECIFICATION
Intuitive Mini 3 SSR Pulse EEV Case Controller Kit (PR0680 3EC & PR0663 8P-4E)	PR0685 3EC
Intuitive Mini 3 EEV Case Controller	PR0680 3EC
Mini Intuitive I/O Expansion Module 8 In / 4 Out	PR0663 8P-4E
Mercury Remote Display (5m cable)	PR0725