



MT-EEPR

Micro Thermo's Electronic Evaporator Pressure Regulator (EEPR) controller is designed to control Sporlan CDS-series valves and Alco Electronic Stepper Regulator (ESR) valves.

The temperature control system is based on a direct reading of the air temperature in refrigerated cases. It automatically positions the EEPR valve that throttles the suction on the evaporators. This throttling action increases the evaporating pressure / temperature with respect to the pressure in the suction manifold.

EEPR valves are considerably more precise than mechanical EPR valves, allowing you to regulate the average temperature to within ± 0.1 °C (± 0.18 °F) or better. In addition, the set point can be modified through a simple software command using the MT Alliance™ software configuration tool.

The distributed temperature control system consists of various controllers from Micro Thermo, including the MT-EEPR controller itself, the MT-500 (sensor node), the MT-SPC (suction pressure controller) and the MT-CKT (circuit controller).

KEY FEATURES AND BENEFITS

- Precise temperature regulation under all store conditions
- Software-modifiable set points
- Easy software configuration via MT Alliance
- Critical circuits can be favored over less critical ones
- EEPR valves are easier to install and configure than mechanical EPRs
- Precise control of dual use cases, using mechanical switches or software
- Valve can be closed momentarily to stop refrigerant flow for cleaning purposes, using a mechanical switch or software
- Selective Load Shedding

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SPECIFICATIONS

MT-EEPR	
Applications	Control up to 5 Electric Evaporator Pressure Regulator valves (Sporlan CDS series and Alco ESR)
Universal Inputs	None
Digital Inputs	None
Digital Outputs	None
Local Status/ Switching	Board switches can be used to operate valves manually in stand-alone mode or after configuration from MT Alliance
Analog Outputs	5 outputs dedicated to drive stepping motors
Dimensions	8.0" x 4.0" x 1.5" (204mm x 102mm x 38mm)
Mounting	SnapTrak Panel or Wall Mounting
Electrical	24Vac Transformer, 8VA (no center-tap needed)
Environmental	Operating and Storage: -40-168°F (-40-75°C) 5-95% RH, non-condensing
Listings	UL Listed

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