



Commercial refrigeration and air conditioning controls

PRODUCT FAMILY	TYPICAL APPLICATIONS
Modular electronic controller A19/A28 Temperature Controls A421 Electronic Temperature Controls TC3 Electronic Case Temperature and Defrost Controllers	 Temperature control in HVAC/R applications Refrigerated display cases Walk-in coolers/freezers Boiler control Home brewing Fan cycling or cut-out control
Cystom 4FOTM Moduley	. Clean rooms and computer rooms

System 450™ Modular Electronic Controls

C450C Temperature, Pressure and Humidity Controls
C450CPW Special Applications Module

C450CRN & C450CEN Communication Modules

C450S Expansion Modules C450Y Power Module C450CCU Refrigeration Control Module

System 550 Modular Electronic Controls

Modular electronic controller
C550C Temperature, Pressure, and
Humidity Controls with Leak Mitigation
and Detection
C550SRN RS485 Communication Module
C550S Expansion Modules
C550Y Power Modules
C550A Special Application System 350
Control Module Conversion

A2L Refrigerant Sensors
GM2 Refrigerant Gas Monitoring Sensor

- Clean rooms and computer rooms
- Greenhouses and swimming pools
- · Condenser fan cycling
- Medium- and low-temperature refrigerated cases
- Electronically Commutated (EC) motor control
- RS485 Modbus or Ethernet communication
- Temperature, pressure and/or humidity with on/off, proportional, reset and differential control
- Walk-in coolers and freezers
- · Leak detection and mitigation
- · Cloud connectivity







PRODUCT FAMILY	TYPICAL APPLICATIONS
Lube oil controls P28/P128 Lube Oil Controls P45/P145 Lube Oil Controls P545 Electronic Lube Oil Controls	Lube oil pressure protection for semi-hermetic refrigeration compressors
Refrigerant leak detectors RLD-H10G–Line Voltage RLD-H10PM–Battery Driven	Leak detection of CFC, HCFC, and HFC refrigerants and blends
Condenser fan controls P70/P170 Pressure Controls P266 Electronic Fan Speed Controls VFD68 Variable Frequency Drives VFD70 Variable Frequency Drives for ZS Series Scroll Compressors	 Fan cycling control Fan speed control Commercial air-cooled condensers Cooling tower fans Fans in evaporative condensing units
Water regulating valves V43/V46/V48 Water Regulating Valves V146/V148 Water Regulating Valves for High Water Pressure V243/V246/V248 Water Regulating Valves for High Pressure Refrigerants	 Fan cycling control Fan speed control Commercial air-cooled condensers Cooling tower fans Fans in evaporative condensing units
Flow and float controls F59 Liquid Level Switches F59 Sump Pump Switches F261 Low Flow Switches F261 Fluid Flow Switches F263 Liquid Level Float Switches	 Water purification and treatment systems Sump pumps Booster pumps Cooling tower sumps Boilers and chillers
Pressure controls P77/P78 Pressure Controls P70/P170 Pressure Controls P100 Encapsulated Pressure Switches P470 Electronic Pressure Controls	 High, low; single and dual pressure cut-out controls Head pressure control Condenser fan cycling control Pump down control Capacity control





P599 Electronic Pressure Transducers

• Capacity control