

AoFrio

BROCHURE

AoFrio SCS



Connect



Customisable



Robust



Energy saving



Variable control





The future starts now

The **AoFrio SCS** range is a family of intelligent electronic controllers for commercial refrigeration systems. They feature advanced refrigeration control capability, user friendly interfaces, and the ability to connect to AoFrio's revolutionary SCS System online fleet management software.



Applications

SCS controllers can be used for open front or closed front bottle coolers and display cases. They fit the standard 71x29mm mounting hole, and feature up to 4 relays and 5 analogue or digital inputs, so they can replace most existing electronic thermostats or controllers.

SCS controllers are also capable of acting as case controllers for remote display cabinets, or for heated display cabinets.

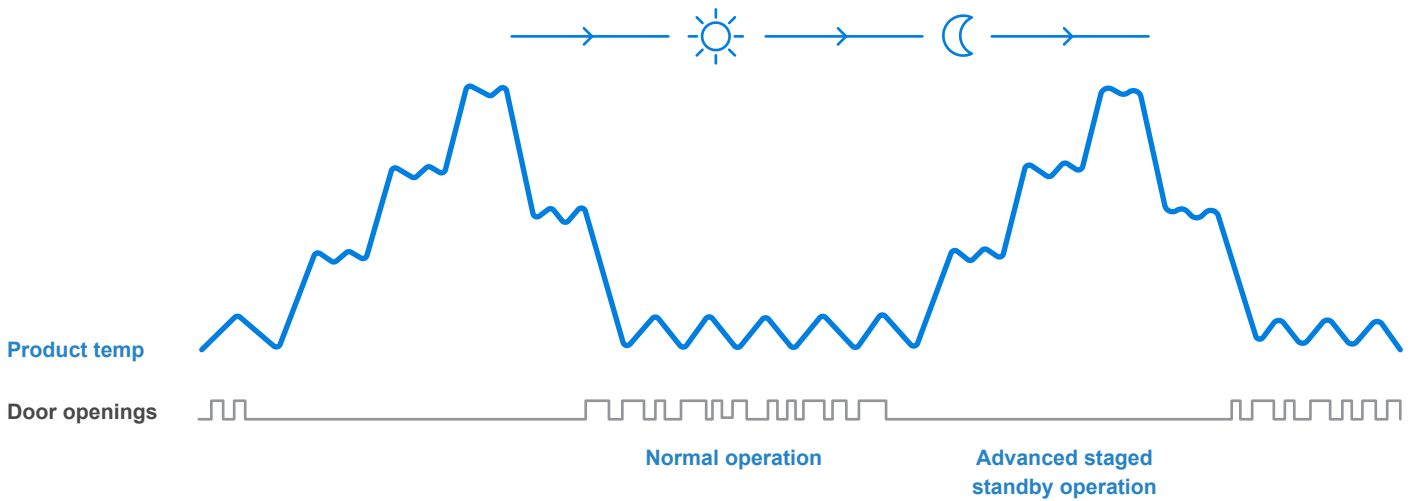


Get Connected

With Bluetooth Smart® capability, **SCS** controllers can connect to **SCS System**.

Suite of desktop and mobile cooler fleet management software (see separate brochure). **SCS System** has extensive cooler and fleet management capability, including asset tracking, sales statistics gathering, HACCP data logging, smart maintenance and diagnostics. **SCS** controllers also feature iBeacon® capability for instore marketing.

Unlike off-the-shelf iBeacons, **SCS** controllers have no batteries to run down, will not go missing, and can interact with the customer via the cooler itself.

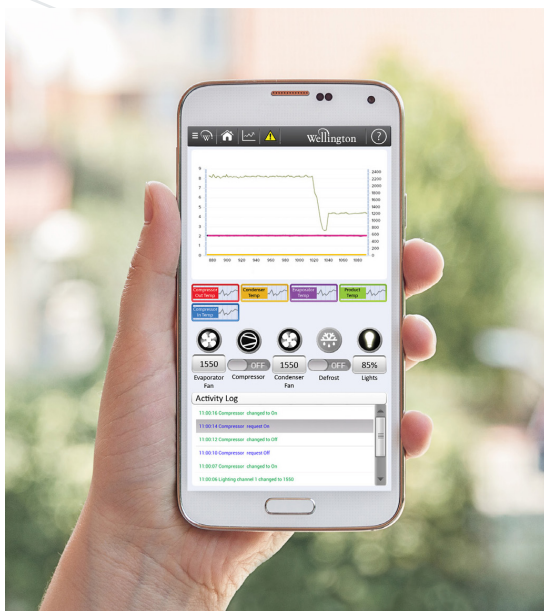


Save energy in the real world

Our multi-stage automatic standby mode maximises your ability to save energy. Temperature, light levels (for multiple zones), and fan speeds can be independently controlled.

We have also made optimising refrigeration efficiency easy, with adjustable fan speed, dimmable lighting, and a broad range of control parameters.

Used with the **SCS System**, real world energy savings can be monitored and cooler behaviour optimised to suit specific store needs. Real world energy saving can be easily shown to store owners, due to the **SCS** controller's built in power measurement capability.¹



Say goodbye to cryptic codes

AoFrio's optical or smartphone-based programming interfaces offer unprecedented ease of use. **SCS** controllers can be configured either on the laboratory bench, in the factory, or while installed and running. Configuration can be either from pre-saved files or as-you-go. The user-friendly smartphone interface means goodbye to cryptic codes and hello to diagrams, plain language descriptions with multilanguage support and online help.

Faultfinding is also easy, with the ability to read fault codes and operating history on the phone, and directly control outputs.

SCS firmware can also be upgraded while the controller is installed, allowing easy access.

¹ Not available on "-A" variants.



Match your brand

The appearance of **SCS** controllers can be easily customised on installation, due to the clip-on front panel and adhesive touchpad overlay. With a 3-channel LED dimmer, cabinet lighting can be set up just the way you want it, including colour, multizone, and dynamic changes.

Custom algorithms and parameters are also available to OEMs. Because of the large amount of i/o and powerful 32 bit microprocessor, **SCS** controllers are capable of controlling non-standard components and running sophisticated control strategies.

Built to last

SCS controllers are designed to survive the rigors of commercial environments, and to help other components survive also. They are exceptionally water resistant, due to the single-piece housing, contactless programming interface, and doublesealed rear cover. Humidity protected electronics mean the controller can be mounted inside or outside the control space. All relays are either solid state or have zero current switching capability, giving operating life in excess of one million cycles.

The **SCS** controller protects the compressor against undervoltage and overvoltage, and its current measurement capability enables it to sense component failures before they damage other parts.



About AoFrio Limited:

AoFrio is a leading provider of IoT solutions, cloud-based fleet management platforms, energy-efficient electronic motors and connected refrigeration control solutions. It serves some of the world's leading food and beverage brands and refrigerator manufacturers and offers proximity-based marketing for Smart Cities to the Australian market. AoFrio's services and products improve sales, decrease costs and reduce energy consumption. Headquartered in Auckland with a global reach, AoFrio is listed on the New Zealand stock exchange under the ticker symbol NZ: AOF

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