

Well the boffins at Planet Controls have been hard at work developing a small stand alone controller capable of actively protecting your valuable data and computer equipment. In the event of an emergency (Fire Alarm, OVER Temperature or physical need), this stand alone mini-controller is capable of triggering a shunt trip circuit breaker to automatically switch off the electrical power supply in the computer room.

Positioned on the front door of the switchboard, the Mini-Shunt Trip Controller is easily retrofitted to existing installations. As the Fire System goes into alarm the mini-shunt trip controller will immediately shut down all power to the room. If an OVER Temperature occurs, the mini-controller will go into alarm and after a 5 minute delay (the delay is adjustable via the integrated LCD screen) shut down the room to prevent equipment damage and data loss. We also go as far as installing an emergency power off (EPO) button in the room, so if the need arises (imminent physical harm, hacker attack, etc) the room can be manually protected by an emergency electrical isolation.

If you already have a CREMS8000 environmental system installed, a firmware upgrade is all that is needed to bring the full power of the CREMS8000 to the mini-shunt trip controller. Email alerts, SMS alerts and GPRS transmissions to remote monitoring centres, remote access, event logging, and the security of having your critical environment protected in the event of fire and over temperature conditions means that the mini-Shunt Trip Controller will be as integral a part of the protection of your data and equipment as the CREMS8000 itself.

Emergency Power Off

A self locking isolation switch is used to tell the Shunt Trip Controller to isolate all power in the room. The controller sees this and fires the shunt trip circuit breakers turning off all power in the room immediately.

Over Temperature Shunt Trip

When the dedicated temperature sensor reads above the over temperature set point (34°C), a warning will be sent to the CREMS8000 alerting the recipients of imminent shunt trip. Alerts will be sent every minute for 5 minutes, until the shunt trip occurs, allowing time for authorised staff to log into the system and isolate the safety shut down if necessary.

The Over Temperature set point is password protected and can be adjusted by using the LCD interface. The LCD also displays the current temperature and set point when it is in standby mode.

VESDA Fire Alarm Shut Down

In the event of a VESDA fire alarm, the Shunt Trip Controller will trip the circuit breaker.

Circuit Breaker Status

This will be used in the CREMS8000 to generate an alarm to indicate a Shunt Trip has occurred or the Circuit Breaker has been turned off manually.



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