

PSS 5000 Forecourt Controller

Feature Description — Remote Power Cycle Devices from INSITE360

Benefits

- > Saves money by reducing the necessity to visit remote sites
- > Saves time by taking immediate action
- > Is a cost-effective solution
- > Increases safety of unqualified site personnel
- > Functions on both manned and unmanned sites



Features

- > Remotely power cycles devices on sites
- > Reduces requirement for unauthorized access to electrical/breaker panels
- > Controlled from INSITE360 via the cloud
- > Easy retrofit using existing forecourt installations

Use Case

Background

Experience shows us that operational forecourt equipment like dispensers can, sometimes, enter a state where a power cycle is required to return them to their full operational potential.

Previously, this has involved either sending a technician out to visit the site, which can be time consuming and sometimes inconvenient, or by requesting someone on site, who is not a qualified technician, to enter the electrical panel room and operate the electrical breakers, which may not be safe for either the person or the equipment.

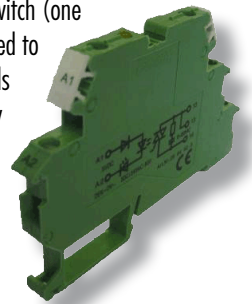


Solution

To implement this remote power cycle functionality, it is necessary to install some new hardware and an updated PSS Application in the PSS 5000 Forecourt Controller. These changes occur in the Mains power distribution panel, which is normally a secure location.

Using the existing power cables to the dispenser, the 2 phases that provide power to the fuel-pump motor remain unchanged, while the single phase that supplies power to the dispenser display illumination and calculator is disconnected and connected to a motor

contact. The motor contact/switch (one for each dispenser) is connected to an Opto isolator, which controls the switch in the power supply to the dispenser's computer. The Opto isolator is controlled by the PSS 5000 via a digital I/O interface module. So, whenever a power cycle is required, a command can be sent from INSITE360 to the PSS 5000, which in turn results in the switch cutting the power to the computer and returning it again.



Retrofit

Uses existing installations, so it is easy to implement and cost effective because it can be retrofitted with a minimum of downtime.

Works Independently

With the control situated in the cloud, the solution is independent of the POS system, Payment system and brands of manufacturers already installed on the site.

Example Installation Schematic for a Dispenser

