

CHILLER RESET

Procedure



Procedure for KSC 215

KSC 215- Advanced traditional chiller(s) with logic for the power supply. As soon as the phase monitor recognizes it has overcome the phase lost, phase in-balance or over/under voltage condition, the chiller will restart. If the chiller has pending failures, it will not restart. The advantage of these chillers is the ability to capture a fault in real-time via Siemens Simatic Display. The fault is captured and time stamped. To view older faults in the system we are able to enter the “General Fault” option.

When you encounter these chillers in a failed state, you can do the following:

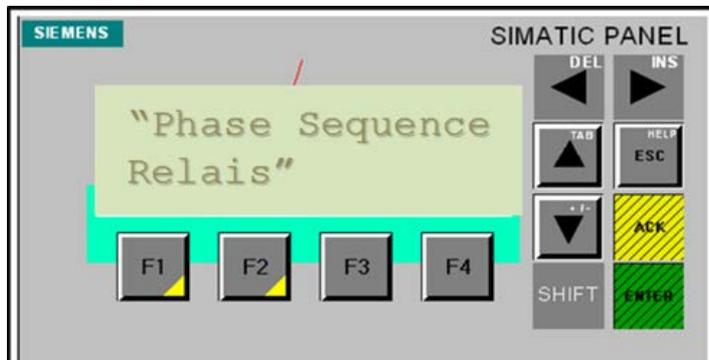
Simple Procedure

- Observe the Simatic Display through the viewfinder of the chiller panel. A fault will display. (EXP: If faulted on a power issue, “Phase Sequence Relias” will appear.)
- Press the “Reset/Reset Flow” button, chiller should run if no other fault condition is present.
- If fault is still present, a complete shutdown of the chiller is recommended.
- If fault is still present, open a “Service Call”

When you encounter a KSC 215 in a failed state, you can do the following:

Simple Procedure

- Observe the Simatic Display through the viewfinder of the chiller panel. A fault will display. (EXP: If faulted on a power issue, “Phase Sequence Relais” will appear.)



Simple Procedure

When you encounter a KSC 215 in a failed state, you can do the following:

Simple Procedure

- Press the “Reset/Reset Flow” button, chiller should run if no other fault condition is present.

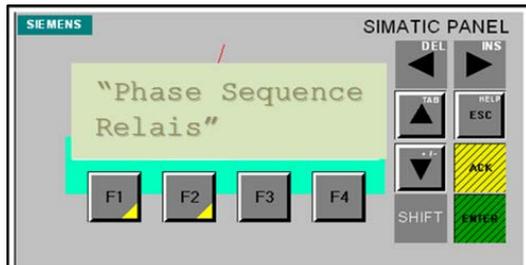


Press Reset

When you encounter a KSC 215 in a failed state, you can do the following:

Simple Procedure

- If fault is still present, a complete shutdown of the chiller is recommended.



Turn off, Turn on



When you encounter a KSC 215 in a failed state, you can do the following:

Simple Procedure

- If fault is still present, open a “Service Call”



Procedure for KSC 215

Advanced Procedure

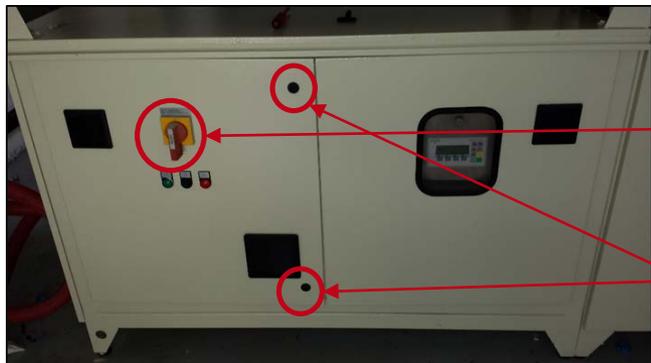
- After hitting the reset when the fault first appears, we can navigate through the controller (General Fault Option) to find past faults and when they occurred. (This step requires shutdown of the chiller to enter the electrical cabinet via key)
- Record the faults and forward to the Siemens CCC when opening a “Service Call”. This will help diagnose if the issue is a power failure, etc.

Also, you may want to contact the Siemens CCC, and contact Tech Support for additional information. You may be able to receive information when the chiller initially faulted, especially if no fault is present. With the way the chiller communicates with the Siemens equipment via Data Cable, we are able to get a well defined failure on the system. (EXP: Compressor Failure, Pump Motor Protection, etc.)

When you encounter a KSC 215 in a failed state, you can do the following:

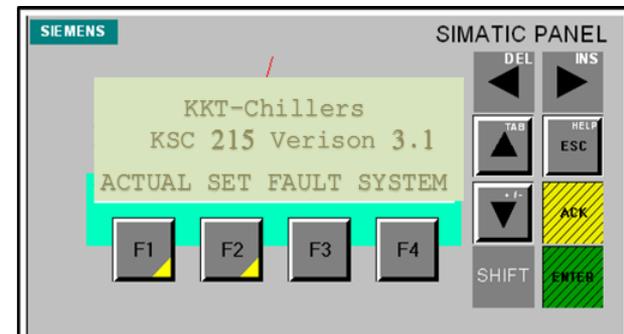
Advanced Procedure

- After hitting the reset when the fault first appears, we can navigate through the controller (General Fault Option) to find past faults and when they occurred. (This step requires shutdown of the chiller to enter the electrical cabinet via key)



Turn off

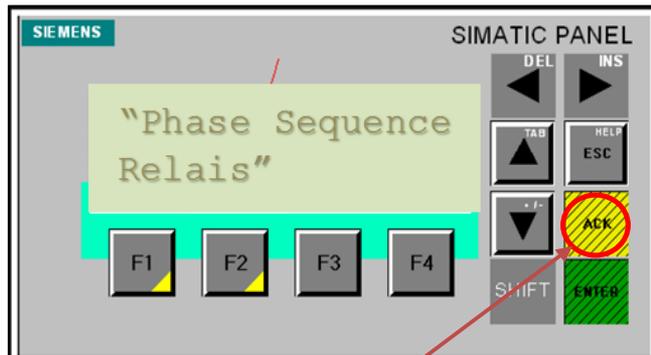
Open via Key



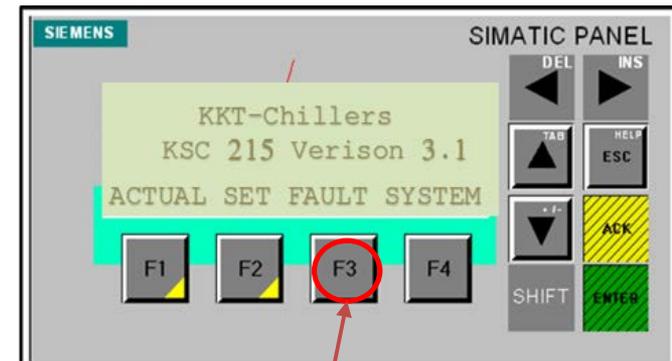
When you encounter a KSC 215 in a failed state, you can do the following:

Advanced Procedure

- After hitting the reset when the fault first appears, we can navigate through the controller (General Fault Option) to find past faults and when they occurred. (This step requires shutdown of the chiller to enter the electrical cabinet via key)



Press ACK,
to acknowledge
existing fault. Hit reset
on the door panel to
clear the fault.



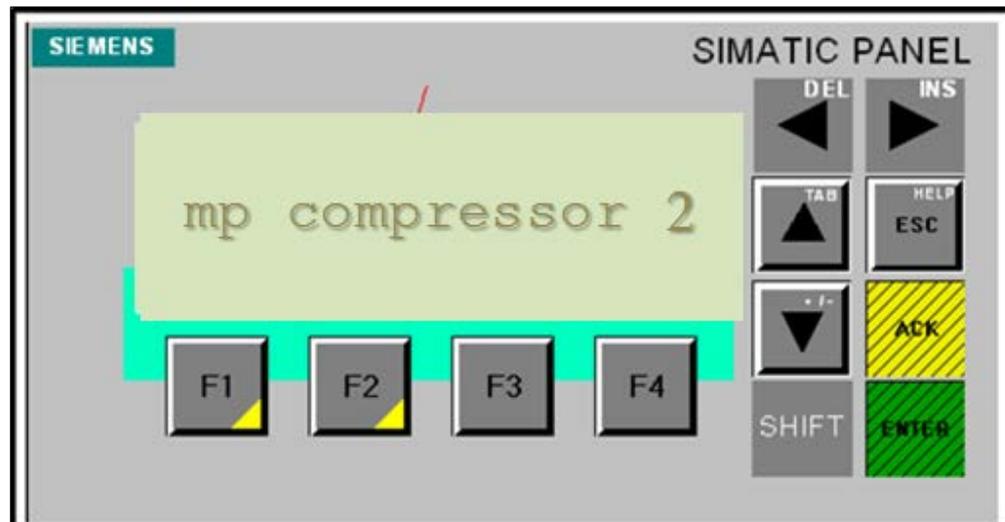
Press F3, scroll
through fault
history.

When you encounter a KSC 215 in a failed state, you can do the following:

Advanced Procedure

- Record the faults and forward to the Siemens CCC when opening a “Service Call”. This will help diagnose if the issue is a power failure, etc.

Also, you may want to contact the Siemens CCC, and contact Tech Support for additional information. You may be able to receive information when the chiller initially faulted, especially if no fault is present. With the way the chiller communicates with the Siemens equipment via Data Cable, we are able to get a well defined failure on the system. (EXP: Compressor Failure, Pump Motor Protection, etc.)



Procedure for the ECO series

ECO 122/133L- New generation of chiller(s) with logic for the power supply. As soon as the phase monitor recognizes it has overcome the phase lost, phase in-balance or over/under voltage condition, the chiller will restart. If the chiller senses pending failures, it will not restart. The advantages of these chillers are the ability to data log information when the chiller is operating.

When you encounter these chillers in a failed state, you can do the following:

Simple Procedure

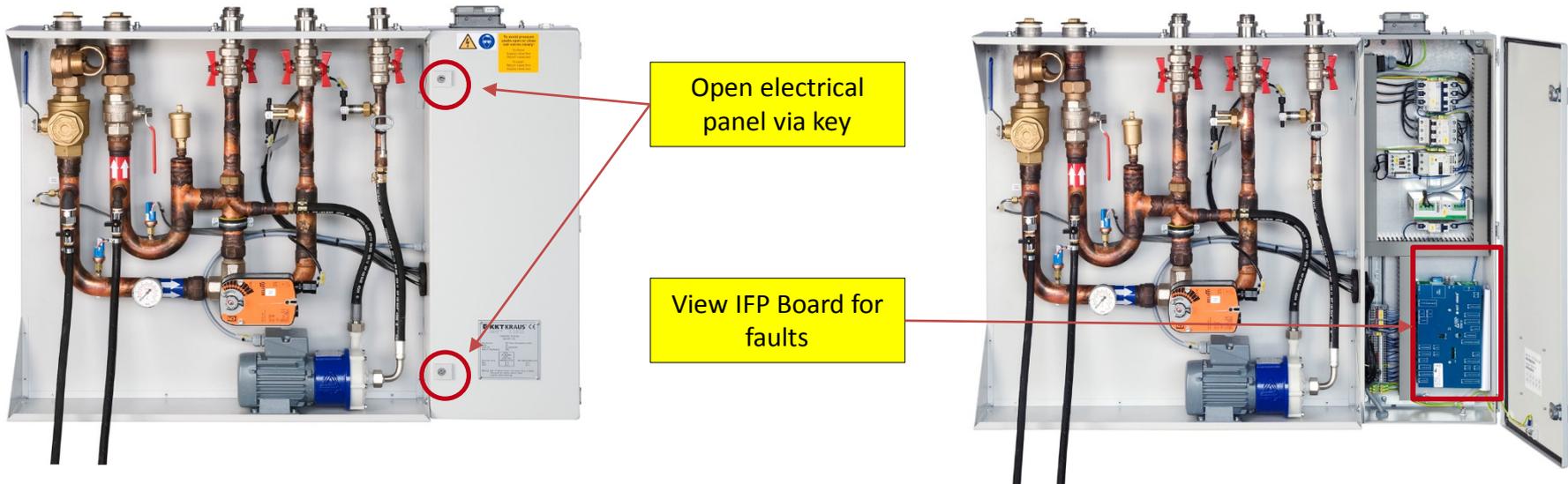
- View chiller faults at the IFP Board. The system mirrors any fault codes via fiber optic cable with a 1-8 LED.
- Record the faults and forward to the Siemens CCC when opening a "Service Call". This will help diagnose if the issue is a power failure, etc.

ECO Series Simple Procedure

When you encounter these chillers in a failed state, you can do the following:

Simple Procedure

- View chiller faults at the IFP Board. The system mirrors any fault codes via fiber optic cable with a 1-8 LED.

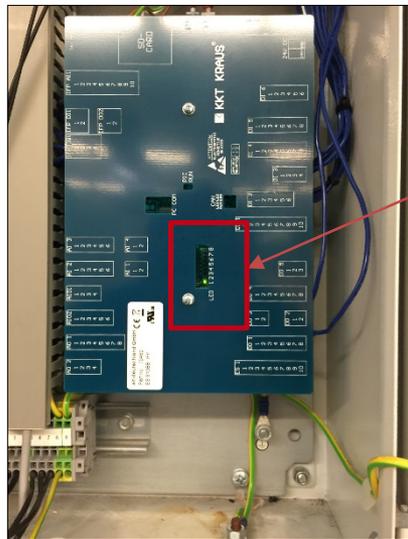


ECO Series Simple Procedure

When you encounter these chillers in a failed state, you can do the following:

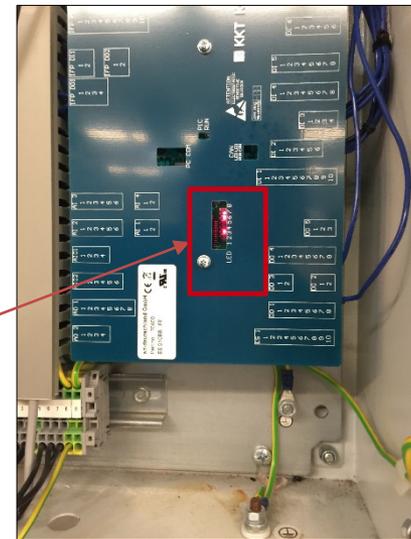
Simple Procedure

- Record the faults and forward to the Siemens CCC when opening a “Service Call”. This will help diagnose if the issue is a power failure, etc.



LED 1 Green, no fault is present.

Red LED's are triggered with faults. Service call needed.



Advanced Procedure

- Access the chiller control cabinet via key and record faults
- Hold reset on the cabinet door for three seconds
- If cleared, chiller should not indicate any failures
- If faults are still present power down the chiller and power back on
- If fault is still present, open a “Service Call” and forward on faults to Siemens CCC.

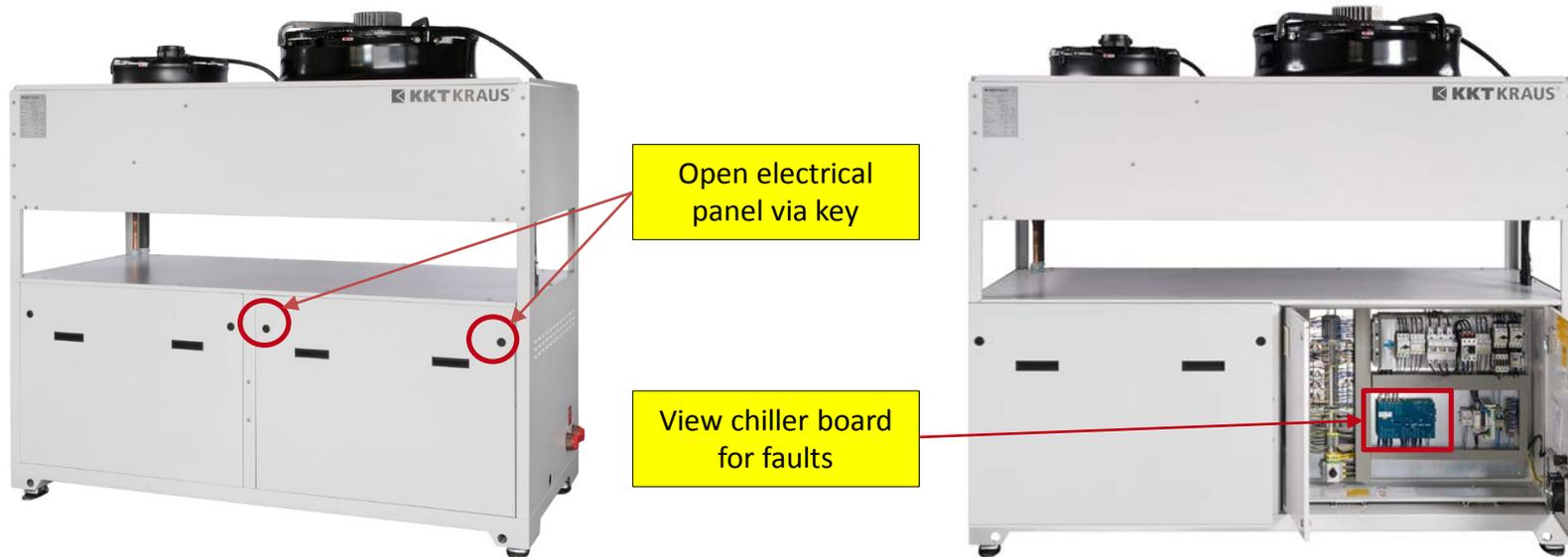
Also, you may want to contact the Siemens CCC, and contact Tech Support for additional information. You may be able to receive information when the chiller initially faulted, especially if no fault is present. With the way the chiller communicates with the Siemens equipment via fiber optic, we are able to get a well defined failure on the system. (EXP: Compressor Failure, Pump Motor Protection, etc.)

For additional support, you can send the chiller SD-Card files to Techsupport@kkt-chillersusa.com or mail to the KKT USA Office.

ECO Series Advanced Procedure

Advanced Procedure

- Access the chiller control cabinet via key
- Open the door and record fault codes



ECO Series Advanced Procedure

Advanced Procedure

- Hold reset on the cabinet door for three seconds
- If cleared, chiller should not indicate any failures



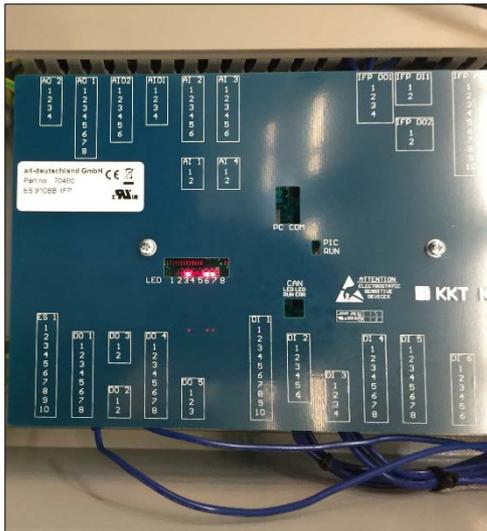
Hold reset in for
more than 3
seconds



ECO Series Advanced Procedure

Advanced Procedure

- If faults are still present power down the chiller and power back on



Power on and off
the main switch

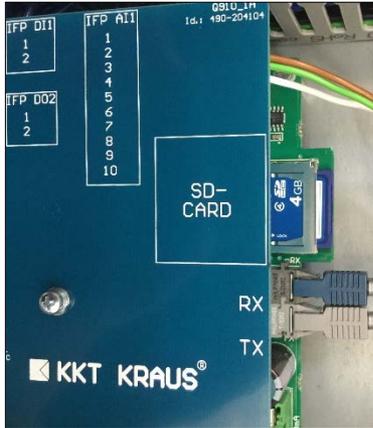


Advanced Procedure

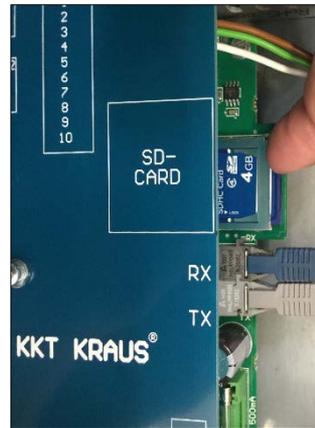
- If fault is still present, open a “Service Call” and forward on faults to Siemens CCC.

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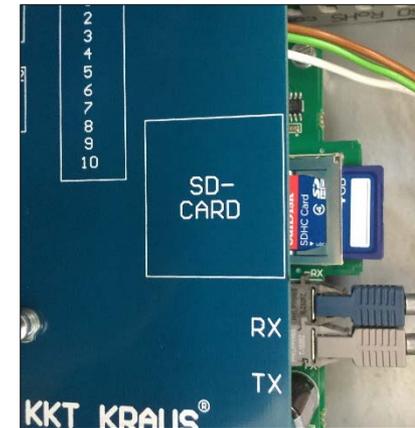
For additional support, you can send the chiller SD-Card files (see below for removal) to Techsupport@kkt-chillersusa.com or mail to the KKT USA Office.



SD card in chiller board



Push in



SD card pops out