PQ Series Calibration Due Message

PQ Series has a feature to keep last calibration date and alert user when calibration period expired. The calibration period can be defined by user. Default value is set to 12 months in factory. Prosense recommends performing calibration with six months period. Detector will be faulted when calibration period expire. If user wants to use different calibration period this should be set via using the option "Cal. Interval" on calibration menu. Please refer to PQ series user manual for full details. Detector will raise "Calibration Due" fault when calibration period expired and it will behave as it is in fault condition and provide 2mA analogue output signal and "FAULT CAL DUE" message on display. Although detector looks like not operational it still performs measurement function and raise the alarms and provide gas measurement signal on analogue output while gas concentration increases.

Coverage:

All PQ series detectors has calibration period monitoring feature.

Solution:

Once the device reached calibration period a proper calibration must be performed. This fault can be cleared only with a successful calibration with both zero and span calibration steps.

Workaround:

Calibration period monitoring feature can be disabled with the devices having firmware level 5.3.2 and higher.

Checking firmware level

a- Press menu button and login with password.
b- Select menu item "4- Information"
c- Select menu item "4- Transmitter information"
d- Check "XMTR F/W:" and "DSP F/W". If F/W level 5.3.2 and higher you can disable calibration period monitoring feature.

Disable Calibration Period Monitoring Feature

a- Press menu button and login with password.
b- Select menu item "3- Configuration"
c- Select menu item "5- Base Settings"
d- Select menu item "2- Fault Config."
e- Set "CAL FLT" to NO and save settings

Detector with firmware level earlier than 5.3.2 does not have calibration period monitoring feature disable/enable options on menu.