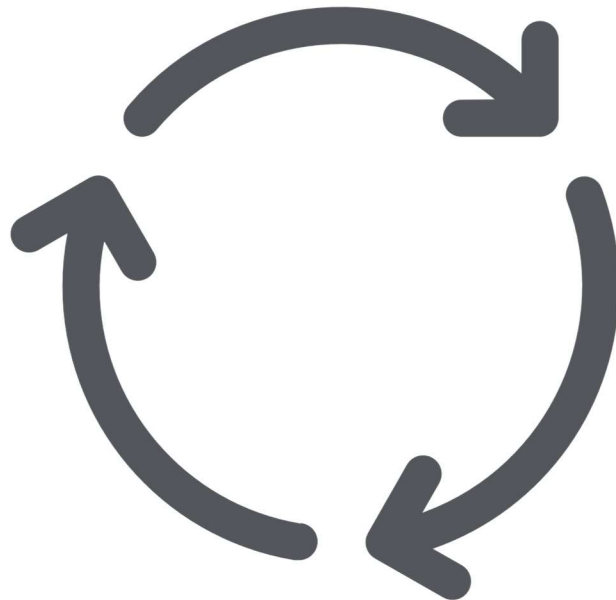


Life expectancy and lifecycle management



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1 **DISCLAIMER AND COPYRIGHT**

Please read all related instructions and other documentation carefully before using the Arcteq equipment or taking any other actions with respect to the equipment. Only trained and qualified persons are allowed to perform installation, operation, service or maintenance of the equipment. Such qualified persons have the responsibility to take all appropriate measures, including e.g. using authentication, encryption, anti-virus programs, safe switching programs etc. necessary to ensure a safe and secure environment and usability of the equipment. The warranty granted to the equipment remains in force only provided that the instructions contained in all relevant documentation have been strictly complied with.

Nothing contained in this document shall increase the liability or extend the warranty obligations of the manufacturer Arcteq Relays Ltd. The manufacturer expressly disclaims any and all liability for any damages and/or losses caused due to a failure to comply with the device instructions and other relevant documentation or caused by persons who do not fulfil the aforementioned requirements. Furthermore, the manufacturer shall not be liable for possible errors in this document.

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2 DESIGNED LIFE EXPECTANCY

The life expectancy for Arcteq devices is based on the expectation that the devices are operated at a **nominal temperature of +25 °C (77 °F)**. Please note that both storage and a different operating temperature affect the estimated life expectancy.

The following table list the designed life expectancy durations for the various Arcteq devices:

Table 1. *Designed life expectancies for Arcteq devices.*

Series designation	Designed life expectancy
AQ 100	10 years (in storage) 20 years (in use)
AQ 210	10 years (in storage) 20 years (in use)
AQ 250	10 years (in storage) 20 years (in use)
Commanders	10 years (in storage) 20 years (in use)
AQ 300	10 years (in storage) 20 years (in use)
AQ-1000 Arc Quenching Device	10 years (in storage) 20 years (in use)
AQuench Arc Quenching Devices	10 years (in storage) 20 years (in use)
AQ-50 Fault Detection Devices	10 years (in storage) 20 years (in use)

In the following sections you can find a detailed list of the device models in each of the listed categories.

2.1 AQ 100 series devices

The AQ 100 series includes the general device models listed below. Please note that the list does not include all the possible configurations for these devices.

- AQ-101
- AQ-101D
- AQ-101S
- AQ-102
- AQ-103
- AQ-110P
- AQ-110F
- AQ-101LV
- AQ-101DLV
- AQ-102LV
- AQ-110PLV
- AQ-110FLV

2.2 AQ 210 series devices

The AQ 210 series includes the general device models listed below. Please note that the list does not include all the possible configurations for these devices.

- AQ-C215
- AQ-E215
- AQ-F201
- AQ-F205
- AQ-F213 (variants A-E)
- AQ-F215
- AQ-G215
- AQ-M210
- AQ-M215
- AQ-P215
- AQ-R215
- AQ-S214
- AQ-S215
- AQ-T215
- AQ-T216
- AQ-V211 (variants A-B)

2.3 AQ 250 series devices

The AQ 250 series includes the general device models listed below. Please note that the list does not include all the possible configurations for these devices.

- AQ-C255 (variants A-D)
- AQ-F255 (variants A-C, R, S, V)
- AQ-G257 (variants A-B)
- AQ-M255
- AQ-M257 (variants A-B)
- AQ-S254
- AQ-S255 (variants A-B)
- AQ-T256
- AQ-T257 (variants A-B)
- AQ-V251 (variants A-B)

2.4 Commander devices

Arcteq Generator Commander and Motor Commander include the general device models listed below. Please note that the list does not include all the possible configurations for these devices.

- AQ-G257 (variants C-F)
- AQ-M257 (variant C)

2.5 AQ 300 series devices

The AQ 300 series includes the general device models listed below. Please note that the list does not include all the possible configurations for these devices.

- AQ-B398 (variants C-D)
- AQ-F310
- AQ-F350
- AQ-F390
- AQ-G357
- AQ-G397

- AQ-L310
- AQ-L350
- AQ-L357
- AQ-L359
- AQ-L390
- AQ-L397
- AQ-L399
- AQ-M350
- AQ-S391
- AQ-T352
- AQ-T392
- AQ-T393

2.6 Arc quenching devices

Arcteq arc quenching devices include the general device models listed below. Please note that the list does not include all the possible configurations for these devices.

- AQ-1000
- AQ-17500
- AQ-24000

2.7 Fault detection devices

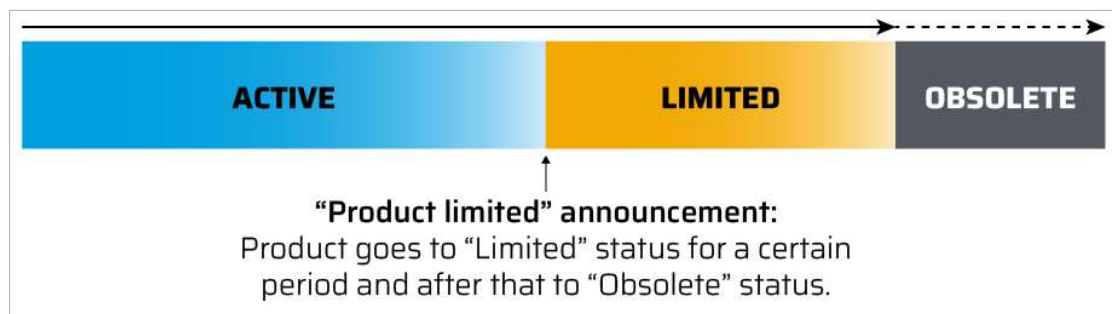
Arcteq fault detection devices include the general device models listed below. Please note that the list does not include all the possible configurations for these devices.

- AQ-50-XXXX1
- AQ-50-XXXX3
- AQ-50-XXXX6

3 LIFECYCLE MANAGEMENT

Lifecycle management for Arcteq devices is divided into three statuses: **ACTIVE**, **LIMITED**, and **OBSOLETE**:

Figure 1. General view of lifecycle status division.



The lifecycle status **ACTIVE** means the following:

- The device is actively in production.
- The device is sold and marketed actively.
- Development and research activities for the device are active and continuous.
- There is full support for device-specific spare parts and accessories.
- There is full support for replacement devices.
- There is full customer support for the device.

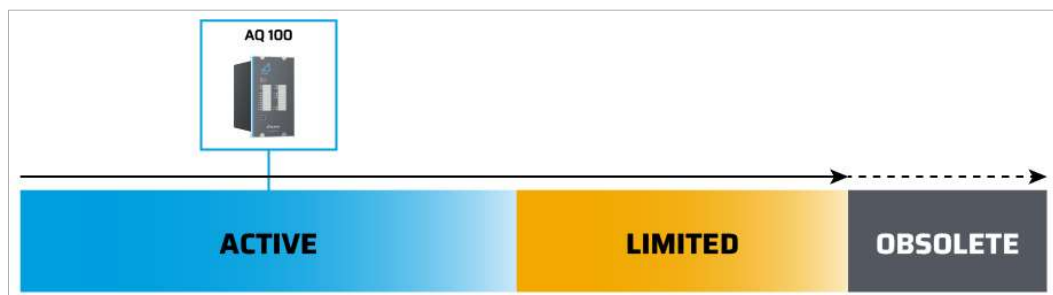
The lifecycle status **LIMITED** means the following:

- The device's availability may be limited.
- The device is sold only for spare parts.
- Development and research activities for the device are discontinued.
- Full support for device-specific spare parts and accessories may be limited.
- There is full support for replacement devices.
- There is full customer support for the device.

The lifecycle status **OBSOLETE** means the following:

- The device is not available and cannot be manufactured.
- There is no more development or research activities for the device.
- There is no support for device-specific spare parts and accessories.
- Some support for replacement devices may be available.
- Some customer support for the device may be available.

3.1 Lifecycle status for the AQ 100 series



3.2 Lifecycle status for the AQ 210 series



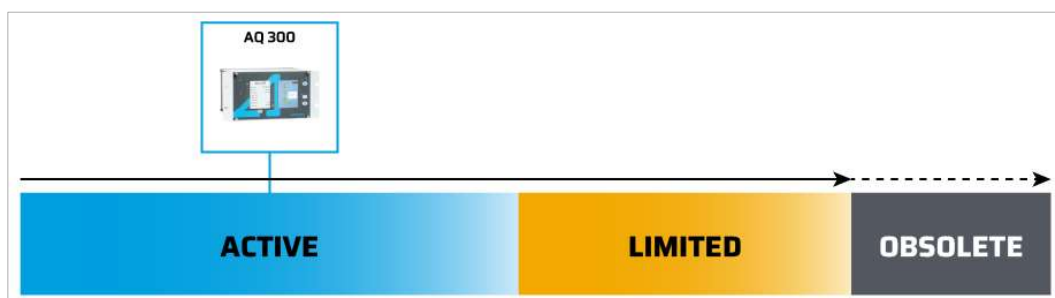
3.3 Lifecycle status for the AQ 250 series



3.4 Lifecycle status for Commanders



3.5 Lifecycle status for the AQ 300 series



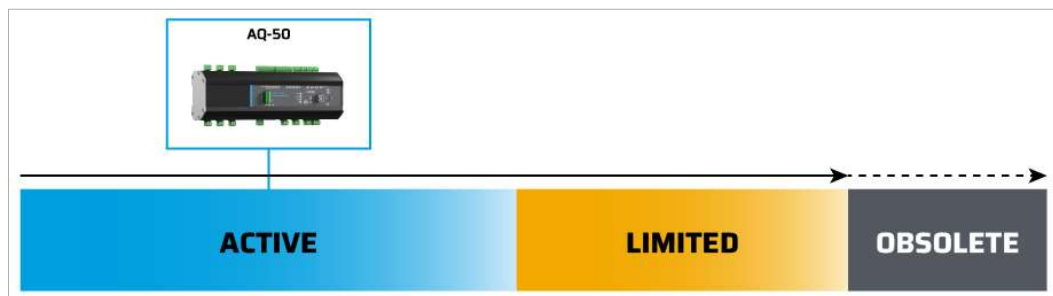
3.6 Lifecycle status for the AQ-1000 Arc Quenching Device



3.7 Lifecycle status for the AQuench Devices



3.8 Lifecycle status for the AQ-50 Fault Detection Devices



3.9 Lifecycle status for the AQ-2000 Arc Quenching Device

