

FEATURES	AQ 110F	AQ 110P	AQ 102	AQ 101	AQ 101D	AQ 101S
Wide range power supply (18-72Vdc or 80-265Vac/dc)	✓	✓	✓	✓	✓	✓
Mounting	Panel / rack	Panel / rack	Panel / rack	Panel / rack	Din rail	Panel / rack
3 phase and residual current detection (1/5A)	✓	✓				
Max number of point sensors		12		12	12	12
Max number of fiber loop sensors	3	1 (option)	3	1 (option)	1 (option)	
Connectivity to arc quenching system	✓	✓				
High Speed Outputs (2ms trip time)	2	2				
Number of trip relays (7ms trip time)	4*	4*	4*	4*	4*	3*
System failure relay	1	1	1	1	1	1
Binary outputs (24Vdc)	1	1	1	1	1	3
Binary inputs (24/110/220Vdc)	2	2	2	2	2	6
Push button	✓	✓	✓	✓	✓	✓
Non-volatile memory	✓	✓	✓	✓	✓	✓
Indication LEDs	20	20	12	12	12	17
Applicable Sensors						
AQ 01 a,b,c **light sensor		✓		✓	✓	✓
AQ 01M portable sensor kit		✓		✓	✓	✓
AQ 02 light and pressure sensor		✓		✓	✓	✓
AQ 06 plastic fiber sensor (5-50m length)	✓	✓ (option)	✓	✓ (option)	✓ (option)	
AQ 07 glass fiber sensor (5-60m length)	✓	✓ (option)	✓	✓ (option)	✓ (option)	

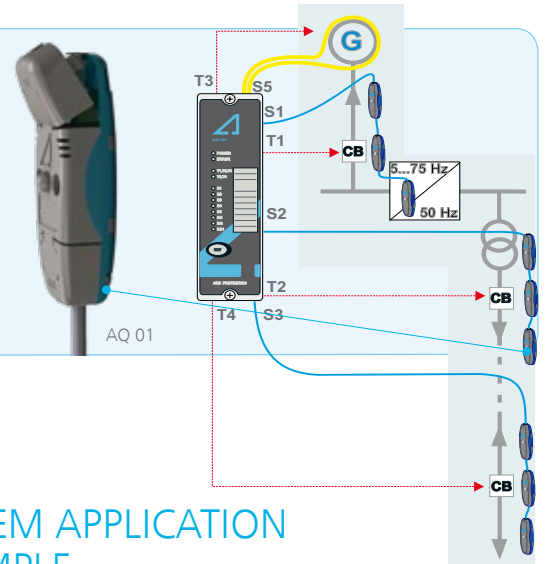
*Optionally one normally closed electronic lock-out/trip relay available

** a = 8,000 Lux activation, b= 25,000 Lux activation, c=50,000 Lux activation

STAND-ALONE APPLICATION EXAMPLE

Any AQ 100 unit can be used as stand-alone arc protection relay. AQ 101 provides complete wind power turbine arc protection.

✓ **AQ01** comes as a standard with 8,000 Lux activation level with detection radius of 180 degrees and is IP 61 and vibration rated. Typically one AQ 01 sensor is installed in each closed compartment. Maximum 3 sensors may be series connected to one channel. Plug-in type cable connectors enable quick installation and reduce cost.



SYSTEM APPLICATION EXAMPLE

AQ 100 units can be flexibly applied in a system to even most complex switchgear layouts providing fully or partly selective tripping. Use of Standard Arc Schemes (AQ-SAS™) guarantees smooth project implementation.

✓ **AQ07** is an industrial grade flexible glass fiber loop sensor. It has a fixed 8000 Lux activation level with detection radius of 360 degrees and comes in lengths of 5 to up to 60 meters.

