

Arc Flash Sensors

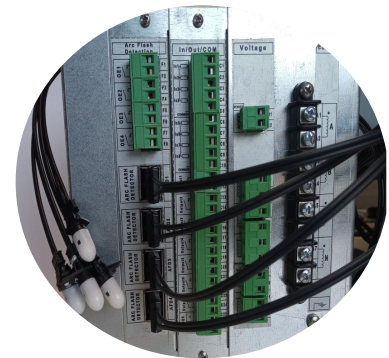
Arc-flash detection technology significantly decreases the time it takes a relay to trip in response to an arc fault, which reduces hazardous arc-flash incident energy.

FANOX combination of light-sensing technology with fast overcurrent protection allows high-speed tripping during arc-flash events without overtripping for external faults or adverse light conditions.

Characteristics:

- **High-Speed Detection:** Arc-flash light sensing and overcurrent protection detect arc-flash hazards and send a trip signal to the breaker in as fast as 4ms.
- **Lifesaving Protection:** By reducing the energy of this explosions the injuries caused on the persons working on the surroundings.
- **Reduced Damage to Switchgear:** With arc-flash protection, equipment damage is minimized during an arc-flash event, returning affected equipment to service faster and maximizing power system availability.
- **Coordinated Protection:** The use of IEC 61850 GOOSE messaging allows coordination with upstream protection if a fault occurs.
- **Flexible Installation:** Install into new switchgear or motor control centers. Retrofit into existing equipment is also possible.
- **Quality, Reliability and Service.**

AFS



SELECTION & ORDERING DATA

AFS		Arc flash sensors			
P					SENSOR TYPE Point Sensor
L					Bare-Fiber Loop
	0				CONNECTION TYPE Point Sensor with Direct Connection to relay
	1				Point Sensor with Pass Through Wall
	2				Bare-Fiber Loop with Pass Through Wall
		0			POINT SENSOR LENGTH NA
		A			Fiber Length to sensor A (x meters) (only with sensor Type P)
			0		RELAY TO CONNECTOR LENGTH NA
			B		Fiber Length to Pass Through Wall / Connector B (x meters) (only with Connection Type 1 or 2)
				0	BARE-FIBER LOOP LENGTH NA
				C	Bare-Fiber Length C (x meters) (only with sensor Type L)

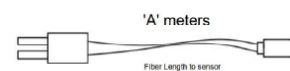
A, B and C will indicate the length of the fiber. Length available from 1 meter.

Example of ordering code (A=10 meters, B=1 meter and C does not apply):

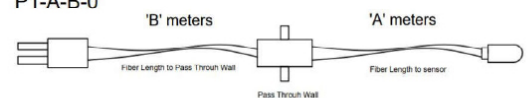
AFS	P	1	10	1	0	AFS P1 10 1 0
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Note: Only following combinations: P0-A-0-0, P1-A-B-0 and L2-0-B-C are allowed.

P0-A-0-0



P1-A-B-0



L2-0-B-C

