

TECHNICAL SPECIFICATION – AQ02 COMBINED ARC FLASH AND PRESSURE POINT SENSOR

- Available with arc light sensing and ambient pressure detection.
- Maximum 3 sensors in line (daisy chained)
- Easy and quick installation and wiring
- 100% self-supervision
- One sensor per compartment



General	
Supply voltage	24Vdc
Supply current (standby)	2mA
Light Intensity thresholds	8Klux ¹ - Ordering Code: AQ02-A; 25Klux - Ordering Code: AQ02-B; 50Klux - Ordering Code: AQ02-C;
Pressure threshold setting (fixed) ²	0.2 bar above ambient pressure
Pick up time ³	<1ms
Pressure measuring accuracy	±1.8 %FS (full scale)
Sensor cable specification	Shield twisted pair Size: 0.5 ~ 0.75mm ² , AWG: 18 ~ 20 Cable cover: Ø 4.5 ~6.0 mm
Max. sensor cable length per sensor channel	200 meters
Operating temperature	-20°C ~ 85°C
Storage temperature	-20°C ~ 85°C
Mechanical protection for photodiode element	IP60
Mechanical protection for pressure element	IP40
Mounting (screw, pop rivet):	e.g. Phillips Pan-head sheet metal screw, Diameter: M3, Length: 20mm.
Dimensions (W x H x D)	90.0 x 27.5 x 32.5 mm
Weight	20 g

¹ : Factory default threshold setting is tested under light wave length 650nm.

² : A standard atmospheric pressure is 1 bar.

³ : Time for activation after exceeding the set threshold pressure.