AR-049 LED TRAFFIC LIGHT
Zones 1, 2, 21, 22

3

SIGNALLING

ATEX VISUAL SIGNALLING DEVICES **ZONES 1, 2 (gas) & 21, 22 (dust)**

The AR-049 LED traffic light is engineered for operation under the most demanding conditions. Its rugged 316 stainless steel housing, impact-resistant 4mm thick window, O-ring seals and encapsulated electronics make the unit completely impervious to water and salt. High-efficiency, next-generation LEDs ensure a bright and highly visible signal at all times.

The AR-049 is available in single, double or triple configurations and in any combination of red, yellow (amber) or green. Depending the user's selection, each signal can operate in continuous mode or blink at a frequency of 1Hz.

Horizontally mounted sun hoods are supplied asstandard, and installation is simple with two mounting brackets that are included.

The single lamp version is delivered with a fixed 5m cable, while the two lamp and three lamp versions are equipped with an internal junction box made of glass fiber reinforced plastic (GRP).

EU-Type Examination Certificate

ITEM REFERENCES				
	Designation:	Connection:	Weight:	Item No.:
	AR-049/R - 1 lamp – RED	5m cable for direct connection	4,4 kg	2A2370
	AR-049/Y - 1 lamp – YELLOW	5m cable for direct connection		2A2371
	AR-049/G - 1 lamp – GREEN	5m cable for direct connection		2A2372
	AR-049/RG - 2 lamps – RED-GREEN	to be connected via junction box	8,4 kg	2A2373
	AR-049/RY - 2 lamps – RED-YELLOW	to be connected via junction box		2A2374
	AR-049/YR - 2 lamps – YELLOW-RED	to be connected via junction box		2A2375
	AR-049/RYG - 3 lamps – RED-YELLOW-GREEN	to be connected via junction box	11,4 kg	2A2376
	AR-049/GYR - 3 lamps – GREEN-YELLOW-RED	to be connected via junction box		2A2377
Always mention the order of the lamps from top to bottom				

TECHNICAL SPECIFICATIONS	
Marking:	Ex II 2G Ex 60079-46 IIC T4 Gb Ex II 2D Ex 60079-46 IIIC T135°C Db
Certificate:	EU-Type Examination Certificate
Operating temperature:	-20°C to +50°C
Light colour:	Red (625 nm), yellow / amber (610 nm) or green (530 nm)
Light intensity:	195 lm per lamp
Material:	AISI 316 stainless steel, 4 mm impact-resistant polycarbonate window
Ingress protection:	IP65 according to EN 60529
Supply voltage:	24 - 48 VDC ± 10% | 4 W per lamp
Nominal current:	160 mA @ 24 VDC (1 lamp), 320 mA @ 24 VDC (2 lamps), 480 mA @ 24 VDC (3 lamps)
Connection:	1 lamp design, with fixed cable, 4 x 0,5 mm², length of 5m; the 2 and 3 lamp versions with connection box
Earth connection:	External at the back side, stainless steel, M6
Dimensions:	1 lamp version: 158 x 278 x 257 mm – without brackets 2 lamp version: 158 x 278 x 410 mm – without brackets 3 lamp version: 158 x 278 x 525 mm – without brackets
Mounting:	2 stainless steel brackets