

Signal and Alarm: Traffic Light, DCT1-TF Series

Flameproof and Dust protection by enclosure

Zone 1 & 2 – 21 & 22



Application

The DCT1-TF is used for automatic light or traffic signal in hazardous areas (zone 1, 2 and zone 21, 22) due to the presence of flammable gases or vapors, dusts and flying fibers such as oil refineries or petrochemical plant.

Specification

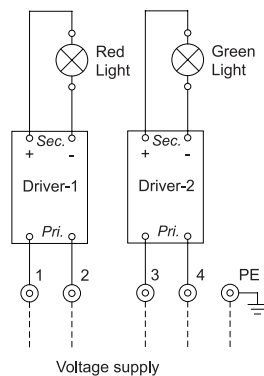
- Body, cover : Marine grade copper-free aluminium alloy with polyester powder coated, RAL 7032 (Grey)
- Lid screws : Stainless steel, SUS 304
- Sealing gasket : Silicone
- Sun shade : Marine grade copper-free aluminium alloy with polyester powder coated, RAL 7032 (Grey)
- Inspection window : Round type, Ø179mm. lens diameter Model LGCR-113

Option

- Body : Offshore painting (Acrylic polyurethane coating)
- Lid screws : Stainless steel, SUS 316



Diagram



Technical Data

Hazardous Area	Gas	Dust
Zones	1 & 2	21 & 22
Equipment Group/Category	Ex db IIB T6/T5 Gb	Ex tb IIIC T85°C/ T100°C Db IP66
Symbol of Protection	Ex db IIB T6/T5 Gb	Ex tb IIIC T85°C/ T100°C Db IP66
Certificate	TÜV CY 18 ATEX 0206140 X	
Conformity to Standards	EN 60079-0:2012+A11:2013, EN 60079-1:2014, EN 60079-31:2014	
Ambient Temperature	-20°C to +55°C	
Index of Protection	IP66	
Entries	2- M25x1.5 or 2x Ø3/4" NPT at Bottom	
Mounting	Wall mount	
Rated Voltage	110-220V.ac 50/60Hz. or 24V.dc	

Catalogue Number Logic

DCT1	11218	- TF	20	<input type="checkbox"/>	<input type="checkbox"/>	RG
Series	Size	Traffic light	LED power	Voltage		Colour
			20 20W. LED	22A 110-240V.ac 50/60Hz.		R Red G Green
				24D 24V.dc		

Ordering Requirements

Cat. No.	LED Power	Voltage	Temp. Class (for zone 1 & 2)		Max. Surface Temp.* (for zone 21 & 22)	
			Ta 40°C	Ta 55°C	Ta 40°C	Ta 55°C
DCT1 11218-TF2022ARG	20W.	110-240V.ac 50/60Hz.	T6	T5	T85°C	T100°C
DCT1 11218-TF2024DRG		24V.dc				

Remark * : The maximum surface temperatures are specified for dust free condition. The dust layer which may cover around the lighting fixture will cause to higher surface temperature.

Dimension

