

Signal and Alarm: Static Grounding Indicator, DCT1-GI Series

Flameproof and Dust protection by enclosure

Zone 1 & 2 – 21 & 22



Application

The DCT1-GI Static Grounding Indicator is an ideal solution for ensuring safe loading and unloading of ethanol, biofuels, petroleum products, chemicals, plastics, and other combustible materials.

It is installed adjacent to loading/unloading areas and connected to transport tank vehicles, railcars, drums, or other portable containers to prevent explosions caused by static discharge during product transfer.

The DCT1-GI provides the following safety functions:

- Establishes a reliable ground path to dissipate static build-up
- Automatically shuts down the pump if the static grounding circuit is broken
- Provides clear visual indication of safe static ground-ing status before, during, and after operations

Specification

- Body, cover : Marine grade copper-free aluminium alloy with polyester powder coated, RAL 7032 (Grey)
(optional offshore painting- acrylic polyurethane coating)
- Bolts : Stainless steel, SS 304
(optional SS 316)
- Sealing (O-ring) : Silicone
- Ground clamp : Stainless steel, SS 304
2 poles with tungsten carbide contacts
- Ground cable : 2C – 2.5 mm², 7 meters in length
(Optional: 2C – 1.5 mm² spiral cable,
2 meters unexpanded /
8 meters expanded)



Technical Data

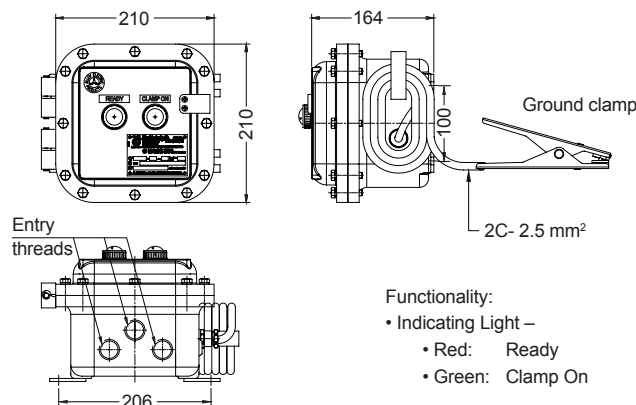
Hazardous Area	Gas	Dust
Zones	1 & 2	21 & 22
Equipment Group/Category	Ex db IIB T6/T5 Gb	Ex tb IIIC T85°C/ T100°C Db
Symbol of Protection	TÜV CY 18 ATEX 0206140X	
Certificate	EN IEC 60079-0, EN 60079-1, EN IEC 60079-31	
Conformity to Standards	-20°C to +55°C	
Ambient Temperature	IP66	
Index of Protection		
Entry Threads	M20x1.5, M25x1.5 or 1/2" NPT, 3/4" NPT at Bottom	
Mounting	Wall mount	
Rated Voltage	110 V AC, 220-230 V AC, 50/60 Hz or 24 V DC	

Catalogue Number Logic

DCT1	Size	Type	Voltage
Series	886 8" x 8" x 6" 9157 9" x 15" x 7"	Grounding Indicator	11A 110 V AC, 50/60 Hz 22A 220-230 V AC, 50/60 Hz 24D 24 V DC

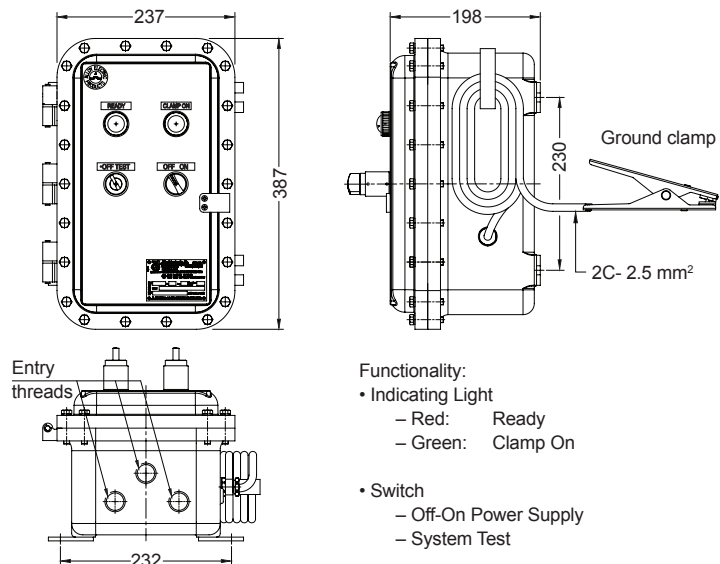
Dimensions (in mm)

DCT1 886-GI



- Functionality:
- Indicating Light –
 - Red: Ready
 - Green: Clamp On

DCT1 9157-GI



- Functionality:
- Indicating Light
 - Red: Ready
 - Green: Clamp On
 - Switch
 - Off-On Power Supply
 - System Test