Product Data Sheet
December 2016
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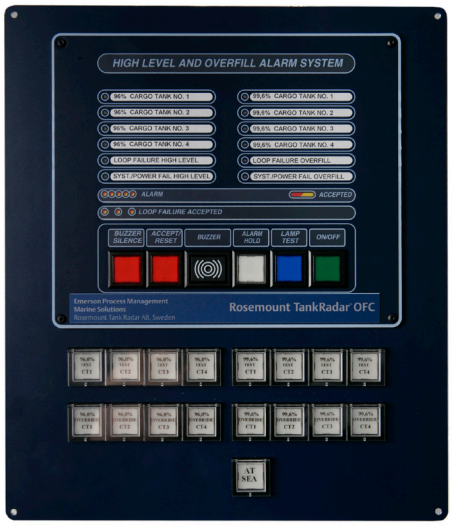
Rosemount OCA 51

Overfill Alarm Cabinet



The Rosemount OCA 51 is the central unit in the Rosemount OFC system. The Rosemount OTG 51 Overfill Alarm Radar Gauges are connected to the cabinet and an alarm panel allows for the operator to interact with the system.

- Delivers timely and accurate alarm information
- Provides two independent alarm channels, one for high level alarm and one for overfill alarm
- Meets requirements for all major marine classification societies
- Relay outputs for connection to ESD system

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Description

The Rosemount OCA 51 Overfill Alarm Cabinet is the center piece in the Rosemount OFC system. It collects the measurement data from the radar gauges and activates the respective level alarms when the predefined level limit is reached.

The Rosemount OCA 51 can provide two independent alarm channels, one for high level alarm and one for overfill alarm. If the system is to handle two independent level alarm limits, the cabinet contains a double set of all components, one set for each level limit. This way full independence between the the two alarm limits are achieved.

Alarm panel

The alarm panel gives the operator current and accurate status information as well as letting the operator handle and acknowledge alarms and test the system.

It is possible to test the individual alarm channels and also inhibit the relay outputs to an ESD system.

Digital inputs

The OCA 51 can be equipped with discrete digital inputs, making it possible to control the system from a third party system.

Relay outputs

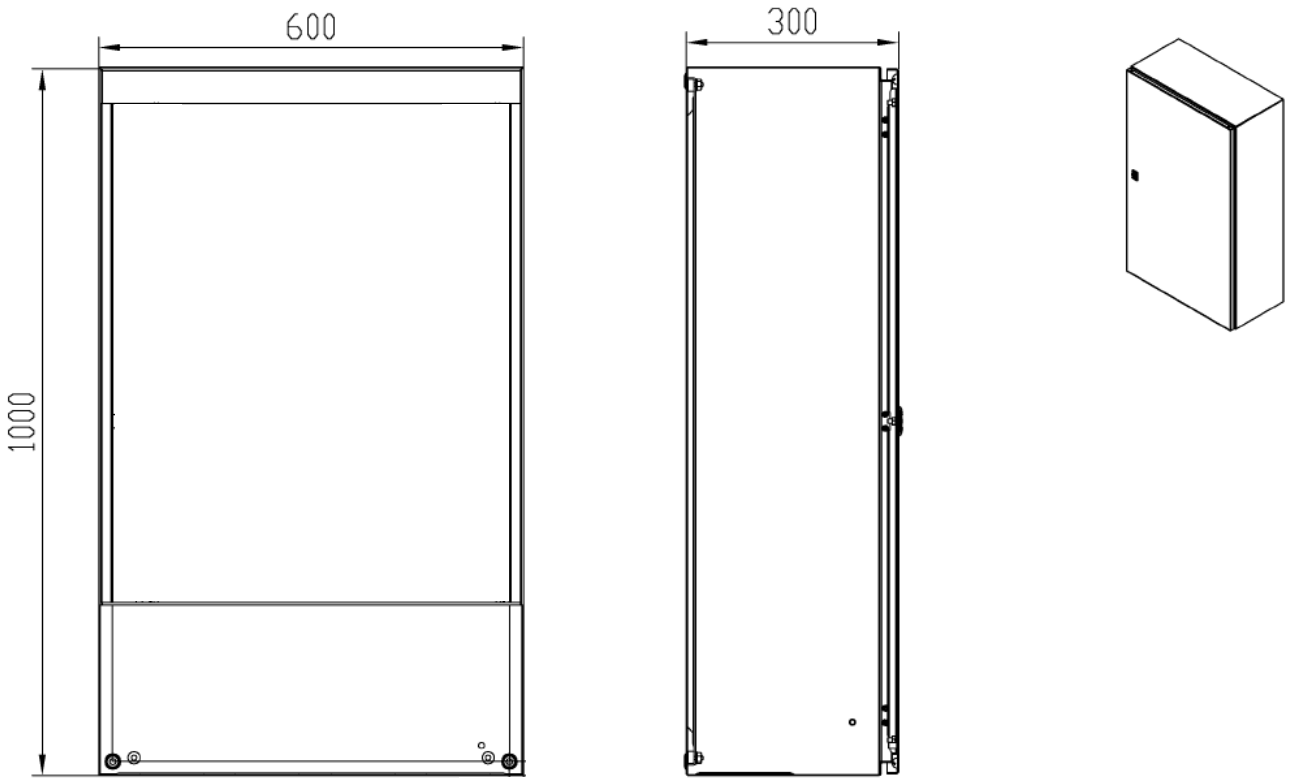
The OCA 51 can be equipped with relay outputs

- One alarm relay per tank and alarm limit
- One loop fail relay per tank and alarm limit

Technical Specification

Product Name	
General Specification	
Number of level sensors	6 OTGs with two channels each
Connection to Alarm panel	Multi core cable
Outputs	Relays for level alarms
Inputs	Digital input for alarm inhibit
Standard color	RAL 7032
Electrical Specification	
Power supply voltage	115VAC or 230VAC
Current consumption	Max 200VA
Mechanical Specification	
Material	Painted mild steel
Weight	50 kg
Environment Specification	
Operating temperature	0 to 45 °C
Operating humidity	20% to 80% (non-condensing)
Ingress protection	IP22
Approvals	
Marine approvals	ABS, BV, CCS, DNV-GL, KR, LR, NK, RINA
Explosion protection	Intrinsically safe associated apparatus: ATEX: II(1)G [Ex ia Ga] IIC IECEx: [Ex ia] IIC INMETRO: [Ex ia Ga] IIC

Dimensional Drawings



All dimensions in mm

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