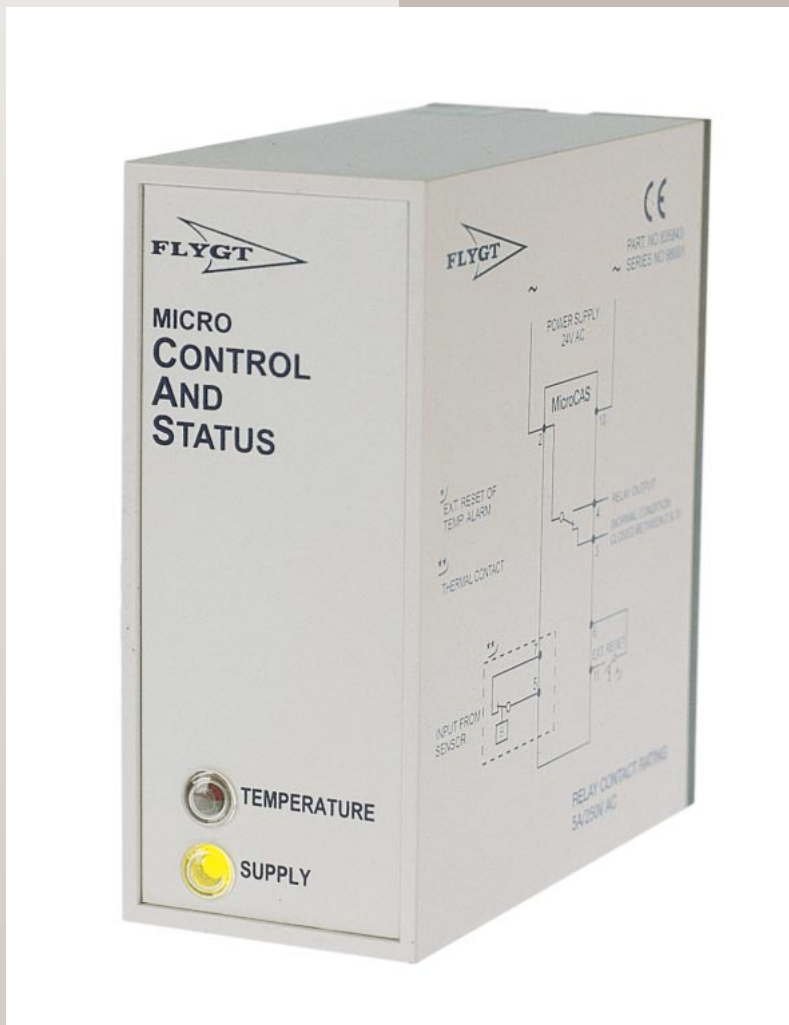




# MicroCAS

## SUPERVISION RELAY



Flygt



ITT Industries

# TECHNICAL DATA

The MicroCAS is an electro-mechanical supervision relay intended for monitoring the stator temperature in Flygt sewage pumps.

The thermal contacts mounted inside the stator winding are connected to the MicroCAS. If the temperature

should exceed the limit value set for the thermal contacts, the built-in interlock relay will change over, and the red alarm LED will light up at the same time. The interlock relay will stop the pump.

Power supply:	24 V AC, 50/60 Hz ± 15%
Ambient temperature:	in operation: 0°C to 50°C in storage: -25°C to 70°C
Ambient humidity:	90% RH
Input signal criteria:	The thermal contacts must be connected to the sensor input 1. Normal conditions R = 0 ohm 2. High temperature R = ∞ ohm
*Relay output	Change-over relay, 5 A/240 V The relay is de-energized when power supply is switched on and conditions are normal (thermal contacts closed)
Power consumption	3.5 VA

## OPERATION

Temperature alarm function:	Change-over relay output: 1-3 normally closed (operation) 1-4 alarm
Reset:	By external push-button at terminals 6-11 or by interrupting the power supply
Indications:	Power supply OK: green LED Alarm: red LED

## APPROVALS

LV Directive:	IEC-947/1 SS-EN 60 335-1 SS-EN 60 204-1
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## INSTALLATION

On 11-pole base which, in turn, is mounted on a symmetrical DIN rail.

## DIMENSIONS:

Width	33 mm
Height	79 mm
Depth	75 mm

**PART NUMBER:** 835843

**N.B.** The MicroCAS is not interchangeable with the MiniCAS II without electrical reconnection of the 11-pole base. See the wiring diagram on the side of the relevant product.

**Caution: Isolate the power supply before carrying out work on the MicroCAS. The relay base may be live at 250 V AC.**

### \* Note:

Avoid inadvertent starting of the pump: In the event of an alarm (thermal contacts open) and inadvertent loss of power supply (24 V AC), the alarm interlock will open (the pump will start) if there are different voltages at the power supply (10-2/24 V AC) and at the alarm relay output (1-4-3/220 V AC). It is therefore recommended that a common source of power supply (24 V AC) should be used for the power supply (2-10) and the auxiliary relay (1-3-4).

