

# Alarm option *red-y compact 2 series*

The new *red-y compact 2 series* is available with an alarm function module.

The models GCS (*red-y compact 2 switch*) and GCA (*red-y compact 2 all-in*) provide 3 configurable alarms. The following triggers are available: High alarm, low alarm, window alarm and totalizer alarm.

The alarm module can be retrofitted on existing *red-y compact 2 meters & regulators*.



## Features:

- » 3 alarm contacts (relays that can switch up to 1 amp, 30 Vdc)
- » 2 optical isolated input channels (to optionally reset an alarm remotely)
- » Every alarm contact separately settable as high, low, window or totalizer alarm
- » Hysteresis, delay and alarm duration time all customer configurable
- » Built-in 12...30 Vdc power supply, polyfuse protected
- » 2 meter fly lead cable included
- » All variables adjustable locally through touch screen

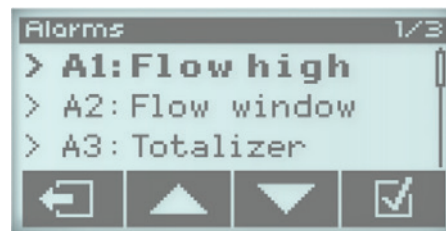
## Pin assignments

	Pin	Color	Assignment
Power	1	red	PWR+
	2	black	PWR-
Input 2	3	white	IN2
Input 1	4	brown	IN1
Input GND	5	green	IN.GND
Alarm 3	6	yellow	OUT3.NO
	7	grey	OUT3.NC
	8	pink	OUT3.COM
Alarm 2	9	blue	OUT2.A
	10	violet	OUT2.B
Alarm 1	11	grey-pink	OUT1.A
	12	red-blue	OUT1.B

## Modification kit for GCM/GCR (SN > 300000):

Replacement of battery or power module with alarm module / cable length 2.0 m

Article-N° 328-2190



## Alarm settings

All variables adjustable locally through touch screen

## Functions

<b>Logic functions</b>	High alarm, low alarm, window alarm, totalizer alarm
<b>Reset functions</b>	Auto, manual, external input 1/input 2
<b>Power input</b>	
<b>Voltage supply range</b>	7...30 Vdc (power supply hereafter referred to as the 24 Vdc power supply)
<b>Max. current</b>	300 mA
<b>Protection input</b>	Polyfuse (trip current > 500 mA) and reverse polarity protected
<b>Switch ratings switch 1 + 2 (SPST hard contact)</b>	
<b>Maximum current</b>	0.5 A
<b>Maximum voltage</b>	30 Vdc
<b>Switch ratings switch 3 (SPDT contact)</b>	
<b>Maximum current</b>	1 A
<b>Maximum voltage</b>	30 Vdc
<b>Inputs 1 + 2 (opto-couplers)</b>	
<b>Voltage range</b> (polarity sensitive)	5...30 Vdc (@ 5 mA max.)
<b>Min. recommended pulse width</b>	100 msec (sample interval 20 msec)

Find detailed information in the *red-y compact 2 series* operating instructions



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