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 alarm relays. 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 8...30 Vdc power supply, polyfuse protected
- 2 meter fly lead cable included
- All variables adjustable locally through touch screen

**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*

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

**Functions**

**Logic functions**
High alarm, low alarm, window alarm, totalizer alarm

**Reset functions**
Auto, manual, external input 1/input 2

**Power input**
- **Voltage supply range**
  8...30 Vdc (power supply hereafter referred to as the 24 Vdc power supply)
- **Max. current**
  300 mA
- **Protection input**
  Polyfuse (trip current > 500 mA) and reverse polarity protected

**Switch ratings switch 1 + 2 (SPST hard contact) / switch 3 (SPDT contact)**
- **Maximum voltage**
  30 Vdc
- **Relais lifetime**
  > 5 million cycles
- **Maximum current**
  Switch 1 + 2 (SPST hard contact): 0.5 A / Switch 3 (SPDT contact): 1 A

**Inputs 1 + 2 (opto-couplers)**
- **Voltage range (polarity sensitive)**
  5...30 Vdc (@ 5 mA max.)
- **Min. recommended pulse width**
  100 msec (sample interval 20 msec)

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

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