Special conditions for safe use

The ATEX and IECEx certificates have an ‘X’ suffix indicating that special conditions apply for installations in IIIC conductive dust atmospheres. No special conditions apply to installations in gas or in IIA and IIB dust atmospheres. Please refer to the certificate or the full instruction manual for details.

The GEXI07, GEXI08, GEXI27 & GEXI28 are CE marked to show compliance with the European Explosive Atmospheres Directive 94/9/EC and the European EMC Directive 2004/108/EC.

2. INSTALLATION

All the models have IP66 front of panel protection but they should be shielded from direct sunlight and severe weather conditions. The rear of each indicator has IP20 protection.

Cut-out dimensions

Recommended for all installations. Mandatory to achieve an IP66 seal between the instrument & the panel

GEXI07 & GEXI27

90 x 5.0/-0.0 x 43.5 x 0.5/-0.0

GEXI08 & GEXI28

136 x 5.0/-0.0 x 66.2 x 0.5/-0.0

This abbreviated instruction sheet is intended to assist with installation and commissioning, a comprehensive instruction manual describing safety certification, system design and calibration is available from the GEORGIN sales office or may be downloaded from the GEORGIN website.

All the models have ATEX and IECEx intrinsic safety certification for use in flammable gas & dust atmospheres. The certification label, which is located on the top of the instrument enclosure shows the certificate numbers and the certification codes. Copies of certificates may be downloaded from our website.

A pack of self-adhesive scale cards printed with common units of measurement is available as an accessory from GEORGIN associates. Custom printed scale cards can also be supplied.

To change a scale card, unclip the protruding end of the flexible strip by gently pushing it upwards and pulling it out of the enclosure. Peel the existing scale card from the flexible strip and replace it with a new printed card, which should be aligned as shown below. Do not fit a new scale card on top of an existing card.

3. OPERATION

The indicators are controlled via four front panel push buttons. In the display mode i.e. when the indicator is displaying a process variable, these push buttons have the following functions:

**P**

While this button is pushed the indicator will display the input current in mA, or as a percentage of the instrument span depending upon how the indicator has been conditioned. When the button is released the normal display in engineering units will return. The function of this push button is modified when optional alarms are fitted to the indicator.

**▼**

While this button is pushed the indicator will display the numerical value and analogue bargraph* the indicator has been calibrated to display with 4mA input. When released the normal display in engineering units will return.

**▲**

While this button is pushed the indicator will display the numerical value and analogue bargraph* the indicator has been calibrated to display with 20mA input. When released the normal display in engineering units will return.

**E**

If no function in the display mode unless the tare function is being used.

**P + ▼**

Indicator displays firmware number followed by version.

**P + ▲**

When alarms are fitted provides direct access to the alarm setpoints if the ‘ACSP’ access setpoints in display mode function has been enabled.

**P + E**

Provides access to the configuration menu via optional security code.

* Only the GEXI27 & GEXI28 have a bargraph
4. CONFIGURATION

Indicators are supplied calibrated as requested when ordered, if not specified default configuration will be supplied but can easily be changed on-site.

Fig 6 shows the location of each function within the configuration menu with a brief summary of the function. Please refer to the full instruction manual for detailed configuration information and for a description of the lineariser and the optional dual alarms.

Access to the configuration menu is obtained by pressing the P and E buttons simultaneously. If the indicator security code is set to the default '0000' the first parameter ‘Func’ will be displayed. If the indicator is protected by a security code, ‘Code’ will be displayed and the code must be entered to obtain access to the menu.

CAL and SET functions are extended when 16 segment lineariser is activated. See full instruction manual for details.

When fitted with optional alarms configuration functions appear here. See full instruction manual for details.

---

**Function**
- to select function of indicator
- 'std': Linear relationship
- 'root': Sq root extraction
- '16 Seg Liner': 16 segment lineariser

**Resolution**
- to select resolution of least significant digit may be set to 1, 2, 5, or 10 digits

**Decimal point**
- to select position of dummy decimal point or turn it off

**Calibration using external current source**
- (Preferred method)
- With accurate 4mA input current set required zero display by zeroing
- To move to the next digit
- Similarly, using accurate 20mA input current set required span display

**Calibration using internal reference**
- (Input current may be any value)
- Using ZEro function set required display at 4mA or zeroing
- To move to the next digit
- Similarly, using SPan function set required display at 20mA

**Select type of bar graph display and define start and finish relative to digital display**
- Using the TYPE function select required bar graph justification by pressing
- ‘LEFT’ to toggle between input current and % of span
- ‘CENT’ for center of display
- ‘RIGHT’ for right end of display
- ‘AltSP’ for only with alarms
- ‘off’ for bar graph disabled

**Function of P button in display mode**
- Press
- to toggle between input current and % of span

**Tare Function**
- Press
- to turn TAE on or off

**Define Security Code**
- Enter by pressing
- to move to next digit

**Reset indicator configuration**
- Press
- to select Conf to reset indicator
- or LRAl to reset lineariser
to default configuration.

---

Fig 6 Configuration menu

Manuals, certificates and data-sheets can be downloaded from www.georgin.com

Sûreté des Procioces Industriels
14-16 rue Pierre Sémard, 92320 Châtillon, FRANCE
Tel: +33(0)1 46 12 60 00 Fax: +33(0)1 47 35 93 98
e-mail: reguleleurs@georgin.com  web: www.georgin.com
<table>
<thead>
<tr>
<th>Modifications</th>
</tr>
</thead>
<tbody>
<tr>
<td>Issue 1</td>
</tr>
<tr>
<td>Issue 2</td>
</tr>
</tbody>
</table>