

PRODUCT DATASHEET

SGCP100-IS

WIRELESS INTRINSICALLY SAFE CALL POINT

The SGCP100-IS Intrinsically Safe Wireless Call Point is a fully intelligent device which is compatible with all of the Argus Wireless Translator and Expander Modules and has been approved for use in Category 1, 2 or 3 hazardous atmospheres. Its fully wireless capability means it requires no special wiring or barriers making installation quick, safe and cost effective. The Argus range of wireless detectors are third party approved to EN54 and utilise the latest cutting edge technologies and features. The well proven, adaptive radio signal processing algorithms combined with well proven mechanical design ensure the highest levels of life safety and system reliability.

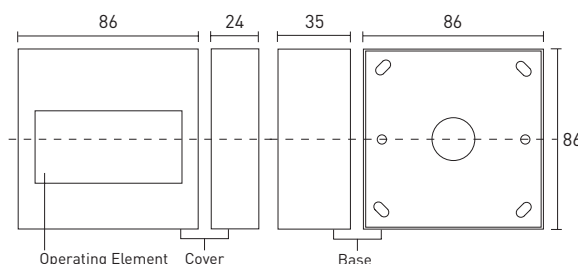
Note: Translators/Expanders must be sited in safe areas.



KEY FEATURES

- Certified for ATEX & IECEx
- ATEX Code: Ex II 1G
- Classification: Ex ia IIC T4 Ga (-20°C ≤ Ta ≤ +55°C)
- Bi-directional wireless communication
- Certified to EN54
- Up to 3 year battery life
- 5 year product warranty
- Uses standard low cost lithium battery
- Resettable operating element with local indication

TECHNICAL INFORMATION



TECHNICAL SPECIFICATION

- | | |
|--|-------------------------|
| ■ Operating frequency range | 868 – 870 MHz |
| ■ Max radiated power | 5dBm (3mW) |
| ■ Operating channels | Multiple |
| ■ Dimensions | 86mm x 86mm x 59mm |
| ■ Primary battery | CR123A (3 V & 1.2 Ah) |
| ■ Secondary battery | CR2032A (3 V & 0.24 Ah) |
| ■ Weight (without batteries) | 190g |
| ■ Operating Temperature (no icing) | -10°C to +55°C |
| ■ Max humidity (non condensing) | 95% RH |
| ■ IP rating | 40 |
| ■ Primary battery lifespan (typical) | 5 years |
| ■ Secondary battery lifespan (typical) | 2 months |

STANDARDS & APPROVALS

- BS EN 54-11:
Manual Call Points
- BS EN 54-25:
Components using radio links
and system requirements



CERTIFICATION REQUIREMENTS

- IEC 60079-0:2011 / EN 60079-0:2012+A11:2013
- IEC 60079-11:2011 / EN 60079-11:2012
- IEC 60079-28:2015 / EN 60079-28:2015

SYSTEM DESIGN

Example of Wireless System Design Using Ex IS Certified Devices

