ARGUS SECURITY
intelligent fire solutions

## PRODUCT DATASHEET

SGMI200

# WIRELESS SINGLE CHANNEL INPUT MODULE

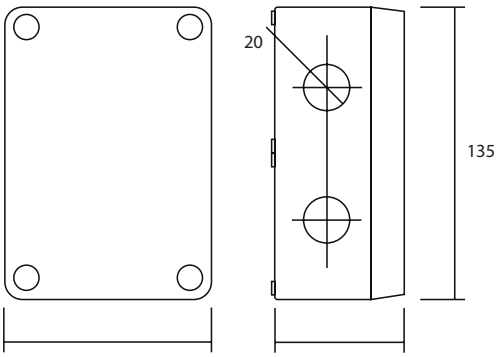
The Argus SGMI200 Wireless Module has been designed to provide a convenient and cost effective solution for monitoring third party equipment. The unit has a single fully monitored input circuit which allows simple integration of third party equipment with the fire system. The unit is fully compatible with all Argus Translator and Expander modules and the well proven adaptive radio signal processing algorithms ensure the highest levels of life safety and system reliability.



## KEY FEATURES

- 3rd party approval to EN54-25 & EN54-18
- 5 year product warranty
- 5 year expected battery life
- Self optimising wireless frequency and amplitude algorithms
- Bi Directional wireless communication
- Fully intelligent
- Input circuits are fully monitored for alarm and fault conditions
- Utilises dual low cost lithium battery

## TECHNICAL INFORMATION




## TECHNICAL SPECIFICATION

| | |
|---|---|
| Operating frequency range | 868 - 870 MHz |
| Max radiated power | 5dBm (3mW) |
| Radio signal modulation type | FSK |
| Operating frequency channels | 7 |
| Communication range with the translator or the expander | ⩽ 150 m (in open space) |
| Max humidity (non condensing) | 95% RH |
| Cable entry knockout holes | 6 x M16/20 |
| Applicable wire gauge range | 0.5 $mm^2$ to 2.5 $mm^2$ |
| Weight (without batteries) | 190 g |
| Primary battery | CR123A (3 V & 1.2 Ah) |
| Secondary battery | CR2032 (3 V & 0.24 Ah) |
| Primary battery life (typical) | 5 years |
| Secondary battery life (typical) | 2 months |
| Operating temperature range (no icing) | -10°C - +55°C |

## STANDARDS & APPROVALS

- BS EN 54-18: Input / Output Devices
- BS EN 54-25: Components using radio links and system requirements

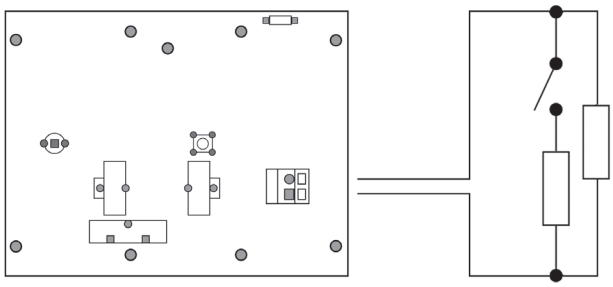
CE 0832

LPCB 928r


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## CONNECTIONS & CONFIGURATION

Following is illustrated the electrical scheme for the connection of the input module to the external device which transmits the input signal to the module.



End of line resistor ($R_{eol}$) = 5.6KΩ
Alarm resistor ($R_{w}$) = 2.2KΩ



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