



Myers MSS-AK1-WF wireless alarm system kit featuring an alarm host with Wi-Fi connectivity via IEEE 802.11b/g/n at 2.4 GHz. The system operates on 433 MHz radio frequency and supports up to 24 wireless detectors with 80m transmission distance and up to 8 remote controllers with 40m transmission distance. The kit includes a PIR motion sensor with 110° wall detection angle and 8m detection distance, a magnetic sensor with 10mm sensing distance for door and window installation, and a remote controller. The alarm host provides sound and flash alarm modes and operates in temperatures from -20°C to +40°C with 20-95% RH humidity range. Compatible with Partizan mobile app.

| Product details |            |
|-----------------|------------|
| Model           | MSS-AK1-WF |
| SKU             | 7949       |

| Alarm host                                   |                            |
|----------------------------------------------|----------------------------|
| Software                                     |                            |
| Mobile app                                   | Partizan                   |
| Network                                      |                            |
| Wi-Fi                                        | IEEE 802.11b/g/n (2.4 GHz) |
| Specifications                               |                            |
| Radio frequency                              | 433 MHz                    |
| Transmission distance (to remote controller) | < 40 m                     |
| Transmission distance (to detectors)         | < 80 m                     |
| Wireless detectors supported                 | 24 pcs                     |
| Remote controllers supported                 | 8 pcs                      |
| Alarm specifications                         |                            |
| Alarm mode                                   | Sound, Flash alarm         |
| Mechanical specifications                    |                            |

|                       |                            |
|-----------------------|----------------------------|
| Installation method   | Wall                       |
| Housing material      | Plastic                    |
| Dimensions            | Ø65 x 36.5 mm              |
| Weight                | 68 g                       |
| Power                 |                            |
| DC power source       | 5 V                        |
| DC consumption        | 2000 mA                    |
| Power source          | AC 220 V                   |
| Battery type          | LiPo 3.7V                  |
| Battery capacity      | 300 mAh                    |
| Operating conditions  |                            |
| Humidity range        | 20-95% RH (non-condensing) |
| Operating temperature | -20 - 40 °C                |
| Storage temperature   | -30 - 50 °C                |

|                           |                     |
|---------------------------|---------------------|
| Magnetic sensor           |                     |
| Specifications            |                     |
| Radio frequency           | 433 MHz             |
| Transmission distance     | 80 m                |
| Mechanical specifications |                     |
| Magnetic sensing distance | ≤ 10 mm             |
| Installation method       | Door, Window        |
| Housing material          | Plastic             |
| Dimensions                | 66.5 x 25.3 x 14 mm |
| Weight                    | 30 g                |
| Power                     |                     |
| DC power source           | 12 V                |
| DC consumption            | 2300 mA             |

| Operating conditions  |                            |
|-----------------------|----------------------------|
| Humidity range        | 20-95% RH (non-condensing) |
| Operating temperature | -20 - 40 °C                |
| Storage temperature   | -30 - 50 °C                |

| PIR motion sensor         |                            |
|---------------------------|----------------------------|
| Specifications            |                            |
| Radio frequency           | 433 MHz                    |
| Transmission distance     | 80 m                       |
| Electrical specifications |                            |
| Idle current              | ≤ 40 µA                    |
| Peak current              | ≤ 15 mA                    |
| Alarm specifications      |                            |
| Alarm mode                | Flash alarm                |
| Mechanical specification  |                            |
| Detection distance        | ≤ 8 m                      |
| Installation method       | Wall                       |
| Detection angle (wall)    | 110°                       |
| Housing material          | Plastic                    |
| Dimensions                | 110 x 53 x 37.3 mm         |
| Weight                    | 80 g                       |
| Power                     |                            |
| Battery type              | 9V (6F22) × 1              |
| Battery capacity          | 250 mAh                    |
| Operating conditions      |                            |
| Humidity range            | 20-95% RH (non-condensing) |
| Operating temperature     | -20 - 40 °C                |
| Storage temperature       | -30 - 50 °C                |

| Remote controller        |                            |
|--------------------------|----------------------------|
| Specifications           |                            |
| Radio frequency          | 433 MHz                    |
| Transmission distance    | 40 m                       |
| Mechanical specification |                            |
| Housing material         | Plastic                    |
| Dimensions               | 57 x 31.5 x 11.5 mm        |
| Weight                   | 20 g                       |
| Power                    |                            |
| DC power source          | 3 V                        |
| Battery type             | CR2032                     |
| Operating conditions     |                            |
| Humidity range           | 20-95% RH (non-condensing) |
| Operating temperature    | -20 - 40 °C                |
| Storage temperature      | -30 - 50 °C                |

| Common          |                                                                                                |
|-----------------|------------------------------------------------------------------------------------------------|
| Package content | Alarm host, Magnetic sensor, PIR motion sensor, Mounting kit, Power adapter, Remote controller |
| Warranty        | 3 years                                                                                        |