



**security devices**  
optical sensors and amplifiers

Applicable to doors  
roller · folding · sliding · swing  
sectional · guillotine · fast · glass

# IRS · IRA · IRK

optical sensors and amplifiers



**jcmtechnologies**  
be a step ahead with technology and imagination

Optical sensors for installation in small areas (automatic pedestrian doors or lifts, etc.) and amplifiers for the management of up to 4 transmitters/receivers with 2 independent relays.



**IRS101 J · IRS103 J · IRS104 J**  
**IRA201 J · IRA402 J · IRA201 RSJ**  
**IRA402 SJ · IRK205 J**

### Versatility

- Protection photocells with range of up to 6 m.
- With sealed and vandal-proof finishes.
- For installation on pedestrian doors, thanks to its compact size.

### Security

- The correct working order can be tested by connecting the auto-test outlet on the operating panels.

#### OPTICAL SENSORS



#### IRS101

- Optical transmitter/receiver sensor.
- Infrared transmitter/receiver unit.
- Fixture in gap of 11 mm in diameter.
- Range: 6 m.
- Transmitter cable length 8 m. + receiver cable length 8 m.
- Infrared beam angle +/- 10°.
- IP65.



#### IRS103 J

- Optical transmitter/receiver sensor.
- Infrared transmitter/receiver unit.
- Fixture in gap of 13 mm in diameter.
- Range: 6 m
- Cable length 5 m. + receiver.
- Infrared beam angle +/- 10°.
- IP42 / IP55.
- Vandalproof installation.

#### AMPLIFIERS



#### IRA201 RJ

- Amplifier with redundant electronics for managing 1 or 2 beams.
- 1 x 0.5 A – 24V relay output.
- Consumption: 55mA
- IP30.
- Operating temperature: -10°C a + 55°C.
- There is an IRA 201RSJ model in an IP55 box.
- There is an IRA 201RSJ HS fast-response model.
- Size: 118 x 80 x 30 mm.



#### IRA402 J

- Amplifier with redundant electronics for managing 1 to 4 beams.
- Test-point for alignment control of each beam.
- 2 trimmers for control of beam 1 and beam 3.
- 2 separate relay outputs.
- Consumption: 90mA.
- IP30.
- Operating temperature: -10°C a + 55°C.
- There is an IRA 402 SJ model in an IP55 box.
- Size: 125 x 85 x 57 mm.

#### KIT



#### IRK205 J

- Photocell kit for automatic door.
- Consists of 1 IRA201 RJ amplifier and 1 IRS101 J optical sensor.