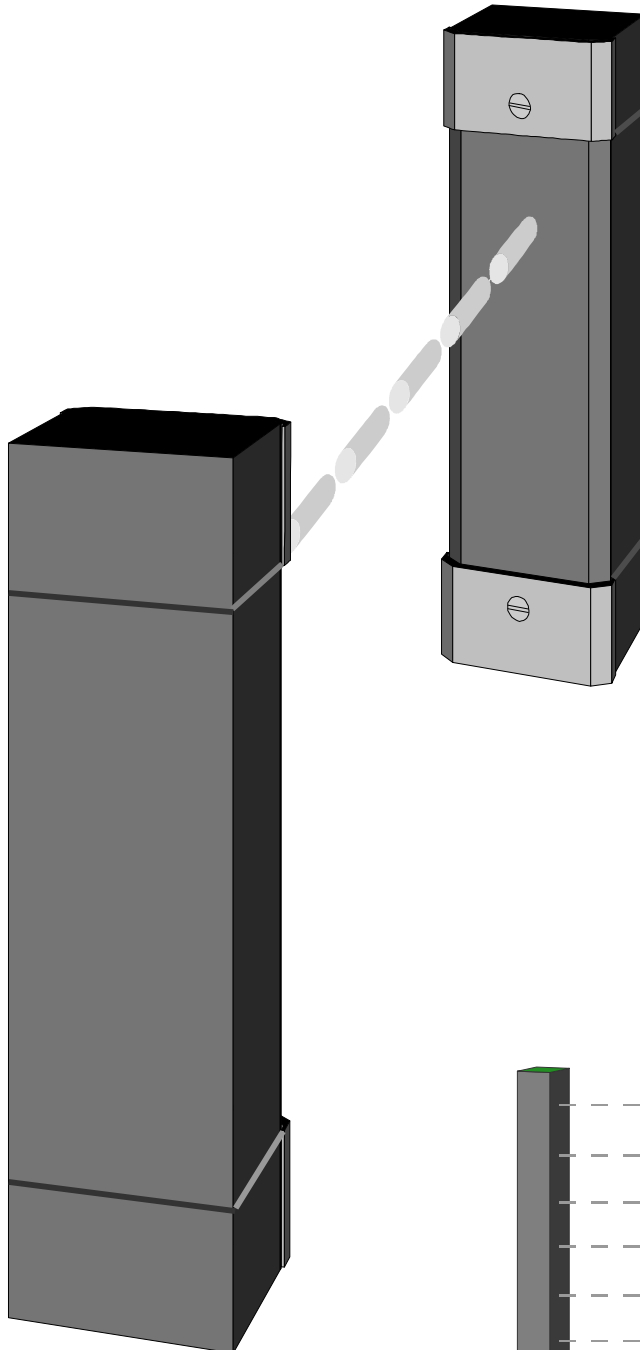


Infrared barrier IRS-505



1...10 selectable channels

**range: 51m indoor
36m outdoor**

**according VdS B and C
requirements G 100029**

according CE destinations

sabotage secure

reliable functioning

**one-man-alignment by IRA-100
or IRA-101**

**high EM compatibility and
immunity**

DTC and AGC

auto-synchronisation

VdS G10029



A new generation of intelligent infrared barriers!

Technical and mechanical specifications of **IRS-505/IRS-505-O** fulfil the requirements and directions for IR-lightbarriers of the german **VdS** as well as **CE conditions**.

The invisible intelligence - the all in one. IRS - InfraRed intelligent System.

- detection of sabotage on the IR-channel
- self controlled communication and resynchronisation
- AGC and DTC (digital threshold controlling)
- memory
- undervoltage detection
- disqualification circuit (only the IRS-505-O)
- one-man-installation

Type:	singlebeam active infrared barrier IRS-505/IRS-505-O
Range:	51m indoor (IRS-505) 36m outdoor (IRS-505-O)
IR-beam:	890nm, pulse code modulated, adjustable $\pm 25^\circ$ horizontal, $\pm 12^\circ$ vertical, beam-spread: receiver about 13° , transmitter about 6°
Supply:	normal operating mode 12V DC typical 20 mA, maximal 25mA range 9...35V DC, 9...25V AC
Alarm:	adjustable sensitivity 25...500msec, period about 1,5sec
Relay:	contacts are free of wear, maximum 60V/0,2A DC/AC
Tamper:	maximum 60V/0,2A DC/AC
Inputs:	input current $\geq 100\mu\text{A}$, capacity $\cong 10\text{ nF}$; max. 35V DC or AC MO (mode) activate/deactivate monitoring; clear/freeze memory GT (test) switch ON/OFF all LEDs
Outputs:	open collectors max. 50mA/12V DC, L-active for a second with 47kOHM pull-up resistor TM (technical message): detection of sabotage, undervoltage (9V), watchdog RST, disqualification in case of heavy rain, snowfall or fog (with adjustable time of disqualification 3...60sec on the IRS-505-O) M (memory): detection of first alarm
Environment:	class II (German VdS G 100029), IP 54 Temperature: - indoor 10...75°C - outdoor by using a heater (IRH-1xx) -30...+75°C
Dimension:	L x W x H (220 x 40 x 39)mm, weight about 0,5kg pillar IRP-400 with variable length up to 3000mm
Colours:	naturaluminium anodised or dull black (B)