



SPECIFICATION TABLE INFRARED BARRIERS

HOME AUTOMATION &
ANTI-INTRUSION

Application	OUTDOOR PROTECTION		
Product code	 2PH-60C	 2PH-150A	 4PH-200A
Nr. beams	1 dual IR beam 	1 dual IR beam 	2 dual IR beams 
Technology	Active IR	Active IR	Active IR
Max. indoor range (*)	120 m with 4 frequency synchronisation	300 m with 4 frequency synchronisation	500 m with 4 frequency synchronisation
Max. outdoor range (*)	60 m with 4 frequency synchronisation	150 m with 4 frequency synchronisation	200 m with 4 frequency synchronisation
Multiple applications	Max. 4 pairs changing frequencies (**)	Max. 4 pairs changing frequencies (**)	Max. 4 pairs changing frequencies (**)
Thermostat control	with TERMPH	with TERMPH	with TERMPH
IR signal attenuation management	Gain control (***)	Gain control (***)	Disqualification
Alignment	Optical viewfinder and micrometric adjustments	Optical viewfinder and micrometric adjustments	Optical viewfinder and micrometric adjustments
INFRA column mount	Yes (STIOR2 accessory)	Yes	Yes
Other accessories	Wireless alignment kit (RF217)	Wireless alignment kit (RF217)	Wireless alignment kit (RF217)

(*) Measured ranges will vary according to the equipment installation environment; the range may be reduced due to external interferences.
 (**) See diagram p. 35
 (***) Gain control automatically increases power from beam to make up for impacts from atmospheric agents (e.g. fog, dew, etc.)

PERIMETER BARRIERS

[Outdoor protection - PH line]

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2PH and **4PH** active infrared barriers are best used for wide range indoor or outdoor perimeter protection. These barriers may work on 4 different dip-switch selectable frequencies. They feature high quality aspheric lenses and a box with gaskets for outdoor post mounting (fastening brackets supplied).

2PH-60C



1 dual IR beam barriers - common features :

- ▶ 1 dual IR beam
- ▶ Transmission on 4 different selectable frequencies
- ▶ Wireless synchronisation (infrared)
- ▶ Automatic gain control (AGC)
- ▶ High-precision aspheric lenses
- ▶ "Viewfinder" for optical alignment with micrometric adjustment
- ▶ 0° to 180° beam adjustment
- ▶ Beam downtime adjustment
- ▶ Standalone or INFRA column mount

2PH-150A



- ▶ **2PH-60C :** Max. rated range : 120 m* indoors
60 m* outdoors
- ▶ **2PH-150A :** Max. rated range : 300 m* indoors
150 m* outdoors

Available accessories

RF217

Wireless alignment
kit for PH line
perimeter
barriers



STIOR2

Fastening bracket
kit for installing
2PH-60C pair on
INFRA column



TERMPH

Temperature control
kit for INFRA column:
1 unit per 2PH-60C,
2PH-150A or
4PH-200A
photobeam



PERIMETER BARRIERS

[Outdoor protection - PH line]

HOME AUTOMATION &
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4PH-200A



- ▶ 2 dual I.R. beams
- ▶ Selectable transmission on 4 selectable frequencies
- ▶ Wireless synchronisation (infrared)
- ▶ Disqualification relay output
- ▶ Double viewfinder for optical alignment with micrometric adjustment
- ▶ 0° to 180° beam adjustment
- ▶ Beam downtime adjustment
- ▶ Standalone or INFRA column mount

- ▶ Max. rated range : 500 m* indoors
200 m* outdoors

TECHNICAL SPECIFICATIONS

	2PH-60C	2PH-150A	4PH-200A
Power supply:	10,5-28 Vdc	10,5-28 Vdc	10,5-28 Vdc
Consumption :	45 mA	55 mA	77 mA
Relay running time :	50-700 ms	50-700 ms	50-700 ms
Alarm trigger :	both beams interrupted	both beams interrupted	all 4 beams interrupted
Relay outputs :	1 NO/NC alarm 0,2A@30Vdc 1 NO/NC tamper 0,2A@30Vdc	1 NO/NC alarm 0,2A@30Vdc 1 NO/NC tamper 0,2A@30Vdc	1 NO/NC alarm 0,2A@30Vdc 1 NO/NC tamper 0,2A@30Vdc
Adjustment angle:	horizontal 0-180° vertical ±10°	horizontal 0-180° vertical ±10°	horizontal 0-180° vertical ±10°
Power cables link :	2x0,75 mm2 for 5 m 2x2,5 mm2 for 150 m	2x0,75 mm2 for 5 m 2x2,5 mm2 for 150 m	2x0,75 mm2 for 5 m 2x2,5 mm2 for 150 m
Signal cables link :	2x0,22 mm2 for 150 m	2x0,22 mm2 for 150 m	2x0,22 mm2 for 150 m
Protection rating :	IP 55	IP 55	IP 55
Operating T° :	-20°C / +55°C	-20°C / +55°C	-20°C / +55°C
Size :	75 x 180 x 75 mm	100 x 247 x 100 mm	100 x 390 x 100 mm
Weight :	1100 g	1800 g	3700 g