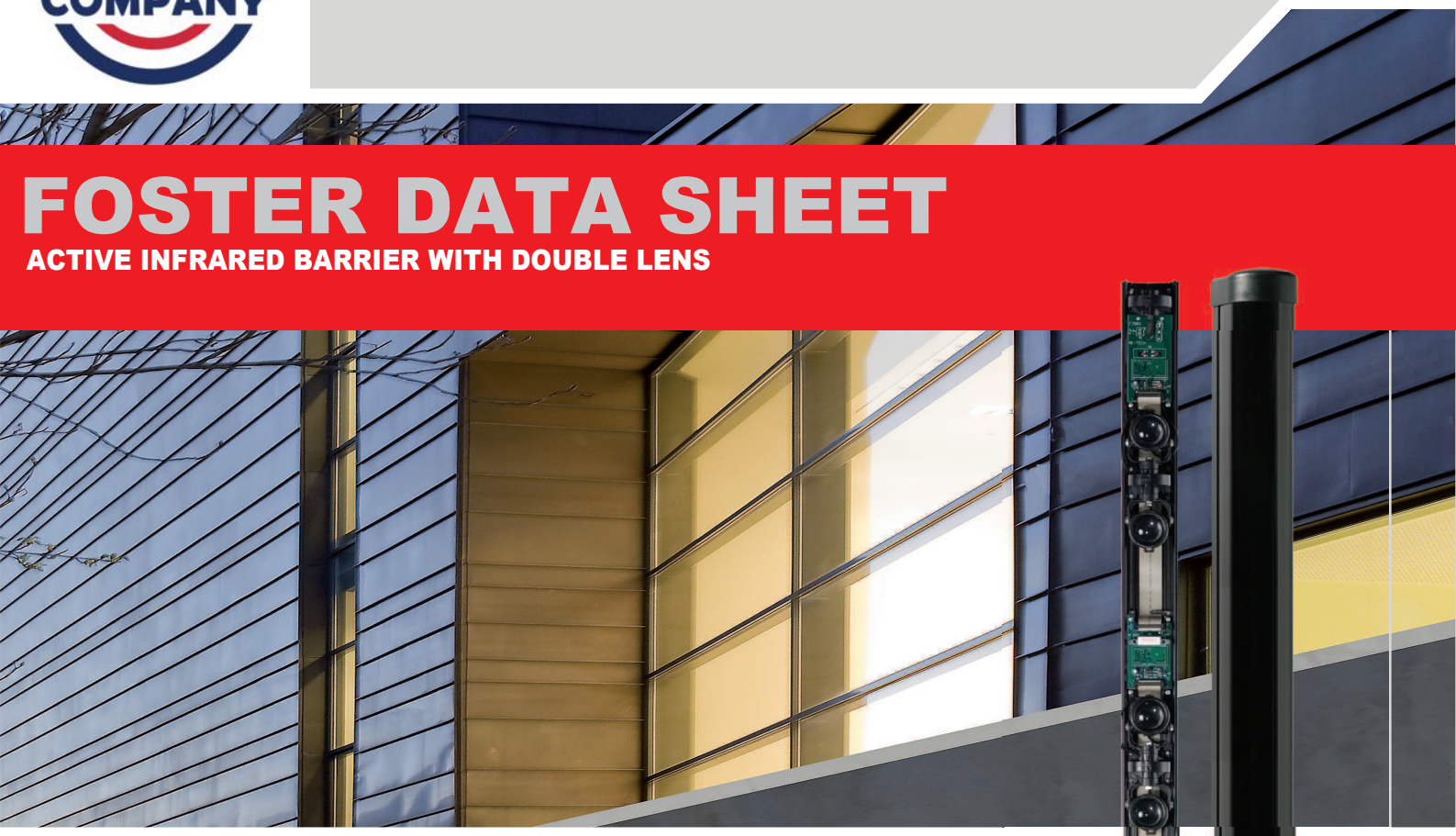
SECURITY COMPANY

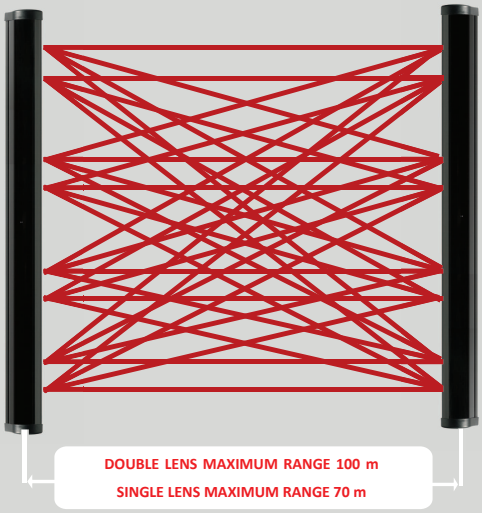
PERIMETER BARRIERS MANUFACTURERS
all along



FOSTER DATA SHEET

ACTIVE INFRARED BARRIER WITH DOUBLE LENS

- Maximum range of 100 m (double lens)
- Single or double lens version - AND/OR function
- Point-to point easy alignment
- Pre-cabled and ready for installation
- Built-in automatic temperature control device
- Integrated disqualification
- Optical synchronization
- Aluminium structure and polycarbonate cover
- Available heights from 1,0 m to 3,5 m
- Protection class IP65



INFRARED TECHNOLOGY

FOSTER is a perimeter IR barrier with crossed beams for protection of external areas.
The transmitter emits a coded sequence of infrared beams which are received by all the receivers
Each signal emitted by the TX is received by all the RX.

OPTICAL SYNCHRONISM

The barriers require no wire synchronism because each beam is recognized by means of differentiated optical codes (optical synchronism).

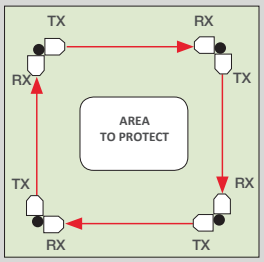
AUTOMATIC TEMPERATURE CONTROL DEVICE AND DISQUALIFICATION FUNCTION

FOSTER is supplied with an automatic temperature control device and a specific disqualification function, is especially recommended for hostile situations and environments (low temperatures, fog, humidity, gusts of wind)

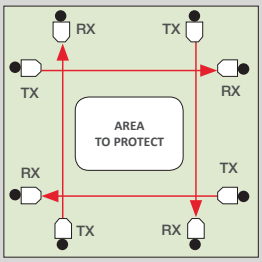
STANDARD ACCESSORIES

Cable glands and cable for manual alignment

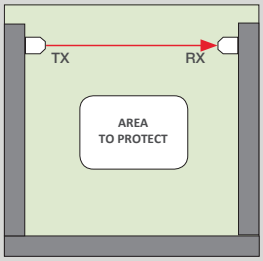
First solution with pole mounting



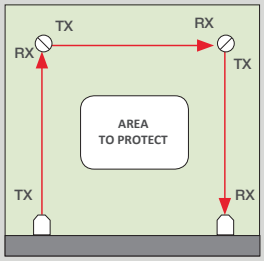
Second solution with pole mounting



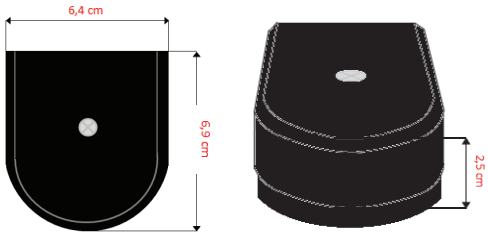
Solution with wall mounting

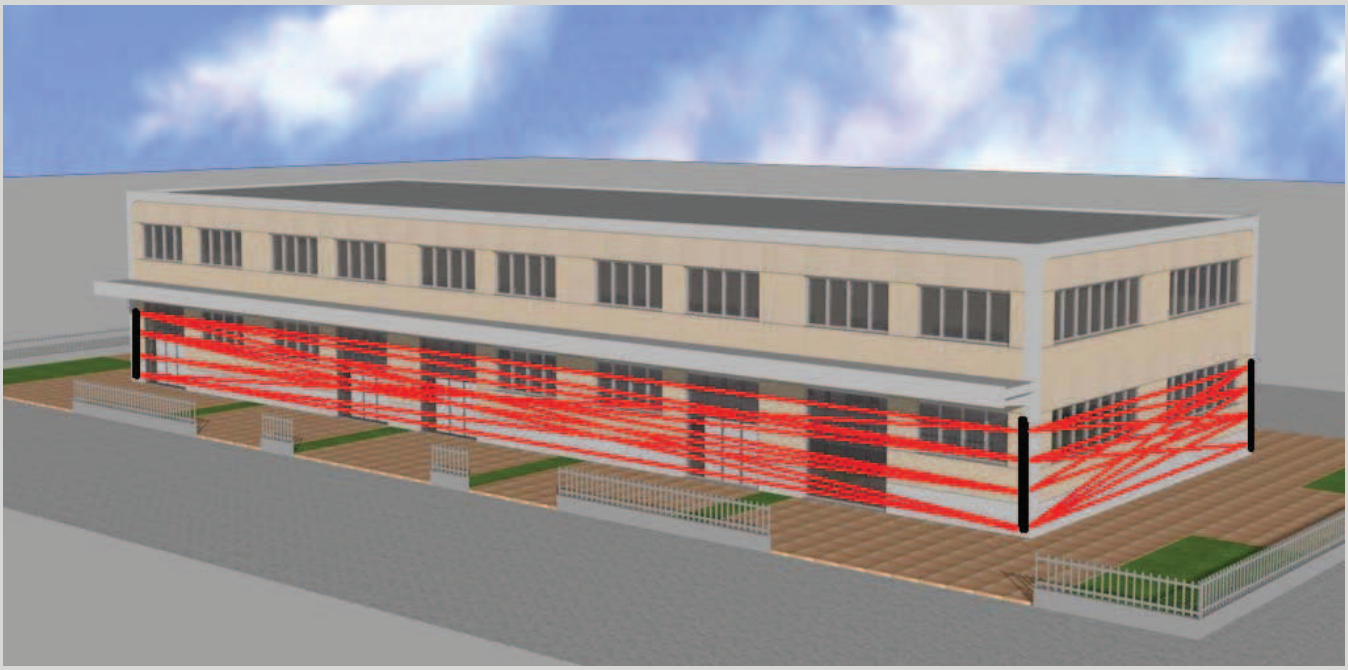


Solution in combination with bidirectional columns



CAP SIZES





TECHNICAL FEATURES	
Maximum range	100 m (double lens)
Minimum distance between receiver and transmitter	1.0 m version: minimum distance 4 m (for all other versions, with minimum distances of less than 15 m, please contact the supplier)
Barrier height	1.0 m – 1.5 m – 2.0 m – 2.5 m – 3.5 m (for non-standard heights, please contact the supplier)
Barrier width and depth	width 6,4 cm - depth 6,9 cm
Profiles	Extruded in IR aluminium and polycarbonate
Synchronisation	Optical
Number of beams	Max. 5 double lenses (50 crossed beams)
Power supply	12 Vdc - 24Vac (for heaters)
Disqualification	Automatic with external signals
Maximum consumption of heaters	RX 30W) TX 30W
Operating temperature	–35°C + 70°/
Vertical and Horizontal alignment angle	30° (Vertical) - 180° (Horizontal)
Detection system	OR - AND on TX and RX with the possibility of remote AND activation
Anti-blinding system	Automatic, can be disabled
Tripping time	Adjustable from 50 to 500 ms
Alarm output	NC/NO relay contact
Tamper output	NC contact
Led indicators	Power supply - Blinding - Heating, low signal - Alarm - Detection
IR signal	Pulsed, coded
Compliant with standards	CEI 79/2
Compliant with Directive	ROhs 2011/65/UE
Protection class	**IP65**

CONSUMPTION				
BARRIER	**TX**	**RX**	**TOTAL**	**DESCRIPTION**
FTN102M	120mA	110mA	230mA	Barriers with 2 single lenses 2TX+2RX (4 cross beams)
FTN102D	120mA	110mA	230mA	Barriers with 2 double lenses 2TX+2RX (8 cross beams)
FTN152D	120mA	110mA	230mA	Barriers with 2 double lenses 2TX+2RX (8 cross beams)
FTN153D	120mA	150mA	270mA	Barriers with 3 double lenses 3TX+3RX (18 cross beams)
FTN154M	120mA	230***	350***	Barriers with 4 single lenses 4TX+4RX (16 cross beams)
FTN154D	120mA	230***	350***	Barriers with 4 double lenses 4TX+4RX (32 cross beams)
FTN204M	120mA	230mA	350mA	Barriers with 4 single lenses 4TX+4RX (16 cross beams)
FTN204D	120mA	230mA	350mA	Barriers with 4 double lenses 4TX+4RX (32 cross beams)
FTN205D	120mA	270mA	390mA	Barriers with 5 double lenses 5TX+5RX (50 cross beams)
FTN206M	120mA	270mA	390mA	Barriers with 6 single lenses 6TX+6RX (36 cross beams)
FTN254D	120mA	230mA	350mA	Barriers with 4 double lenses 4TX+4RX (32 cross beams)
FTN255D	120mA	270mA	390mA	Barriers with 5 double lenses 5TX+5RX (50 cross beams)
FTN304D	120mA	230mA	350mA	Barriers with 4 double lenses 4TX+4RX (32 cross beams)
FTN305D	120mA	270mA	390mA	Barriers with 5 double lenses 5TX+5RX (50 cross beams)
FTN355D	120mA	270mA	390mA	Barriers with 5 double lenses 5TX+5RX (50 cross beams)