



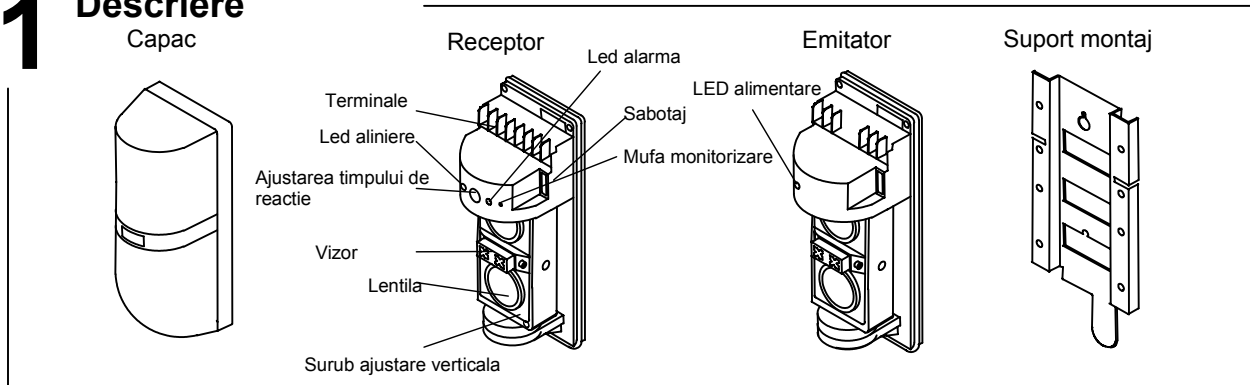
# Bariera fotoelectrica infrarosie

# Manual de instalare

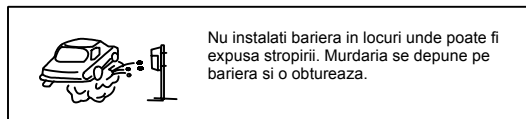
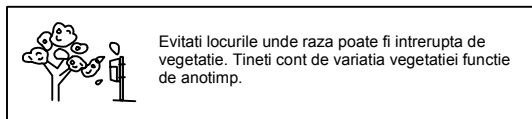
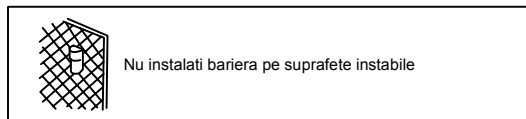
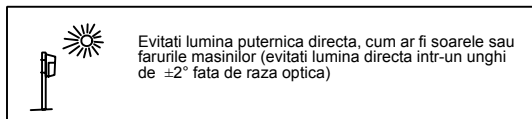
• PRO-20 - Exterior : 20m(70ft) / Interior : 40m(130ft)

• PRO-40 - Exterior : 40m(130ft) / Interior : 80m(260ft)

## 1 Descriere

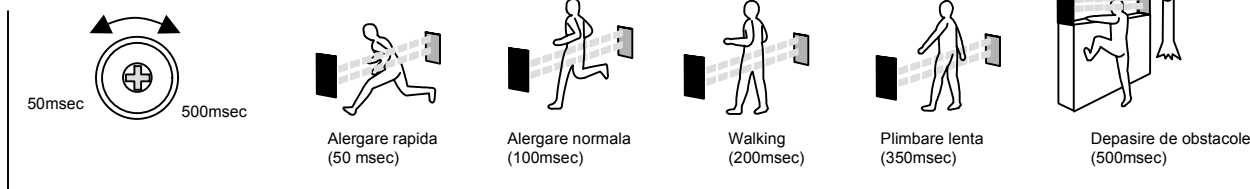


## 2 Observatii la instalare



## 3 Timpul de reactie

Ajustarea timpului de reactie



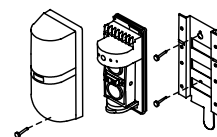
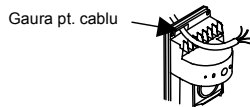
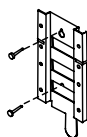
## 4 Instalare

4-1. Pe perete  
- Indepartati capacul si glisati suportul de montaj

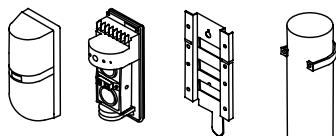
- Perforati suportul de fixare si introduceti cablul prin gaura  
Fixati suportul cu suruburi de 4mm

- Introduceti cablul prin carcasa barierei dupa care fixati bariera de suport

- Dupa terminarea cablarii, aliniati barierile si montati capacul.



4-2. Pe stalp



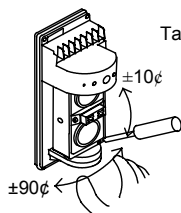
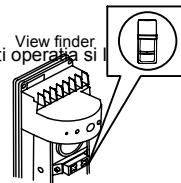
\* Bariera se monteaza pe un suport cu diametrul exterior de 40-46mm

# 5 Alinierea optica

Masurati tensiunea pe mufa jack de monitorizare cu un voltmetru pentru a asigura alinierea optima.

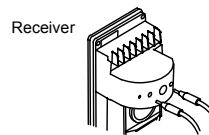
- Alimentati bariera cu capacul demontat
- Priviti prin vizor si alinaieti lentila de transmisie pe orizontala si verticala pana ce lentila de receptie e vizibila. Repetati operatiile si de receptie. Priviti prin vizor din ambele parti si alinaieti ambele lentile.

Lentila se poate ajusta orizontal ( $\pm 90^\circ$ ) si vertical ( $\pm 10^\circ$ ) permitand barierei sa lucreze in toate directiile.  
Lentila din partea opusa trebuie sa apara in mijlocul oglinzii din vizor



- Ajustati emitorul pe orizontala si verticala pentru a obtine tensiunea maxima  
Ajustati receptorul pe orizontala si verticala pentru a obtine tensiunea maxima.

Tensiunea pe mufa jack	Alinierea
3.0V sau mai mult	Buna
sub 2.9V	Reajustati

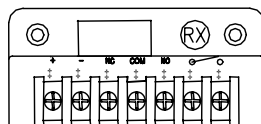


- Confirmati alinierea inserind un tester in jackul de monitorizare al receptorului.

# 6 Depanare si cablare

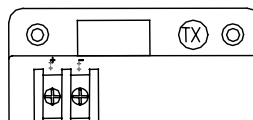
Simptomul	Cauza posibila	Remediul
Ledul alimentare nu se aprinde	<ol style="list-style-type: none"> <li>Nu este alimentare.</li> <li>Cablare incorecta, cablu intrerupt sau scurtcircuit</li> </ol>	<ol style="list-style-type: none"> <li>Porniti alimentarea.</li> <li>Verificati cablarea.</li> </ol>
Ledul de alarma nu se aprinde la intreruperea barierei.	<ol style="list-style-type: none"> <li>Nu este alimentare.</li> <li>Cablare incorecta, cablu intrerupt sau scurtcircuit</li> <li>Raza poate fi reflectata de un obiect din jur si transmisa spre receptor pe cale ocolita</li> <li>Nu sunt intrerupte ambele raze simultan</li> </ol>	<ol style="list-style-type: none"> <li>Porniti alimentarea.</li> <li>Verificati cablarea.</li> <li>Indepartati obiectul reflector sau schimbati orientarea razelor</li> <li>Intrerupeti ambele raze simultan.</li> </ol>
Ledul de alarma este aprins continuu	<ol style="list-style-type: none"> <li>Barierele nu sunt aliniate corect</li> <li>Razele sunt obturate de un obstacol.</li> <li>Optica este murdara.</li> <li>Setare canalu incorecta .</li> </ol>	<ol style="list-style-type: none"> <li>Realinaieti.</li> <li>Indepartati obstacolul.</li> <li>Curatati cu o carpa moale.</li> <li>Verificati setarea canalului.</li> </ol>
Alarame intermitente	<ol style="list-style-type: none"> <li>Cablare incorecta.</li> <li>Tensiunea de alimentare fluctueaza.</li> <li>Obstacol intre emitor si receptor (ex. vegetatie).</li> <li>Sursa puternica de zgomot electromagnetic (ex. Motoare) in apropierea barierei.</li> <li>Instabilitate mecanica a emitorului/receptorului .</li> <li>Optica murdara.</li> <li>Aliniere incorecta.</li> <li>Animale mici care pot intrerupe ambele raze</li> </ol>	<ol style="list-style-type: none"> <li>Verificati cablarea.</li> <li>Stabilizati tensiunea de alimentare.</li> <li>Indepartati obstacolul..</li> <li>Mutati barierele in alt loc.</li> <li>Stabilizati mecanic barierele</li> <li>Clean the optics with a soft cloth</li> <li>Reajustati</li> <li>Mariti timpul de reactie.</li> </ol>

## Receptor



- VCC : DC10..24V
- GND- masa
- Normal Inchis
- Comun
- Normal Deschis
- Sabotaj
- Sabotaj

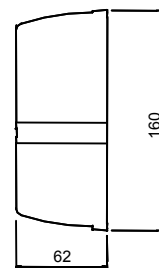
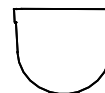
## Emitator



- VCC : DC10..24V
- GND masa

# 7 Specifications & Dimensions

Model	PRO-20	PRO-40
Distanța de acțiune	20m(70ft)	40m(130ft)
Metoda de detectie	Pereche de raze impulsuri sincronizate	
Emitorator	LED IR	
Timpul de reactie	50 ~ 500 mS	
Alimentare	10 ... 24 V	
Tensiune AGC	Alarma sub 2.0V, Pregatit:2.1~2.9V, OK peste :3.0V	
Consum	Rx : 24mA, Tx : 24mA (Max.)	
lesire de alarma	Dry contact relay output 1C (COM, NC, NO) lesire de releu fara tensiune (COM, NC, NO)	
Temperatura	Resetare : (Approx.) 1 sec	
lesire sabotaj	-25 □ ~ 60 □	
Aliniere raze	contact Micro SW (COM, NC)	
Tip	Orizontala : 180° ( $\pm 90^\circ$ ), Vertical : 20° ( $\pm 10^\circ$ )	
Masa	Interior/Exterior	
IP	710g IP54	



\*Atentie ! Consultati manualul pentru a asigura o functionare corecta.Specificatiile produsului se pot schimba fara preaviz pentru a asigura imbunatatirea lor continua