

CHAMBERLAIN®

GRIFCO

Universal PE Beam Installation Manual

Rev: 706020



PE Beam Kit (PB008) Reflective Type		
Manufacturer:	Banner	Inventory
Model Number:	QS30VR3LP (W/30)	<ul style="list-style-type: none"> • Transmitter/Receiver with 9m lead
Operating Distance:	8m	<ul style="list-style-type: none"> • Reflector
Exposure Rating:	IP67	<ul style="list-style-type: none"> • Mounting Bracket
Operating Voltage:	24 - 240Vac / 12 - 250Vdc	<ul style="list-style-type: none"> • 2 x 2 way Terminal Blocks, 2 x Jumper

PE Beam Kit (PB060) Sender / Receiver Type		
Manufacturer:	Banner	Inventory
Model Number:	QS303E + QS30VR3R (W/30)	<ul style="list-style-type: none"> • Emitter with 2m lead
Operating Distance:	60m	<ul style="list-style-type: none"> • Receiver with 2m lead
Exposure Rating:	IP67	<ul style="list-style-type: none"> • Mounting Bracket
Operating Voltage:	24 - 240Vac / 12 - 250Vdc	<ul style="list-style-type: none"> • 2 x 3 way Terminal Blocks, 2 x Jumper

Installation with Maestro Operator

Mounting

Install the beam unit/s and reflector (if applic) at the appropriate height on each side of the door opening. This is generally 600-900mm from floor level. Note that if using a reflector type, it may be best to mount the reflector last. Refer to Alignment

Note: Multiple beam sets can be installed at several heights for special applications.

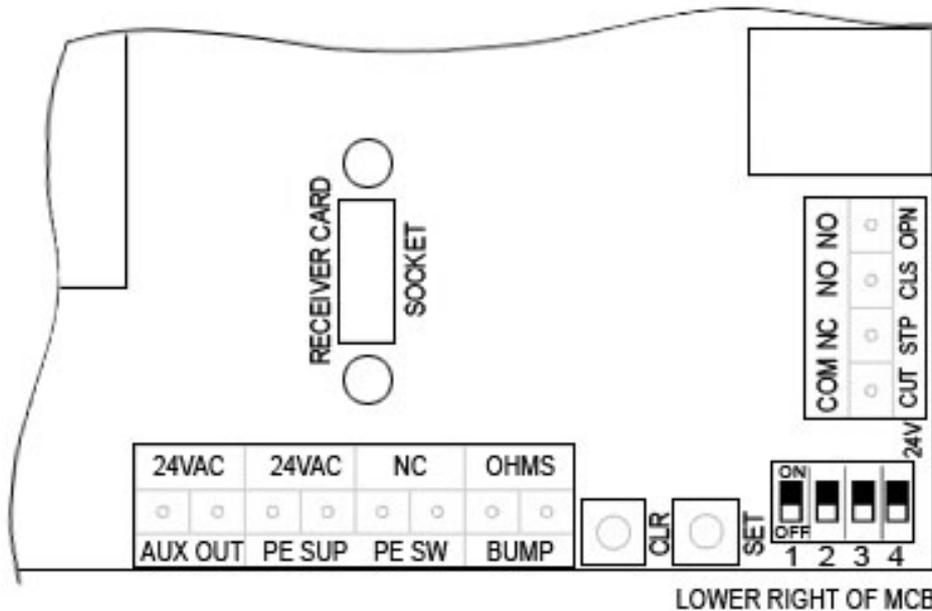
Connection

Shut off power to the Maestro operator. Using the terminal blocks supplied, connect the **Black** and **Yellow** switching wires to the **PE SW** terminals and the **Brown** and **Blue** wires to the **PE SUP** terminals (shown below). If installing the PB060, also connect the **Brown** and **Blue** wires of the emitter to the **AUX OUT** terminals (shown below).

If using multiple beams and standard obstruction behaviour is required, simply connect black/yellow switch wires in series so that only 2 wires return to the PE SW terminals.

Dip switch 1 MUST be turned **ON** and Dip switch 2 if latching down is required. Note that if using the Elite expansion board, both DIP switches MUST be turned **ON**.

Desired Behaviour	DIP 1	DIP 2
Latch Up / Inch Down	ON	OFF
Latch Up / Latch Down	ON	ON



Alignment

For the PB008, alignment is sometimes simplified by holding the reflector in your hand and moving toward and away from the beam unit whilst powered. This will quickly indicate any angular adjustment needed.

General Operation (On Board LED Indicators)

LED's positioned on the top and rear of the Receiver display the status of the sensors and assist in installation.

Sensor Top

- Green ON steady: Power ON
- Yellow ON steady: Light detected
- Yellow flashing: Light detection low

Sensor Back (not present on emitters)

- Yellow ON steady: Normally Open output is conducting (beam is obstructed)

Installation with GL-20 Logic Board:

Shut off power to the GL-20 logic board. Connect the **Black** and **Yellow** wires to the **PHOTO-CELL** input, and the **Blue** and **Brown** wires to the **24VAC PE SUP** output of the GL-20. If installing the PB060, connect the **Brown** and **Blue** wires of the emitter to the **24VAC** or **24VAC PE SUP** outputs of the GL-20 board.

Installation with COBO Logic Board:

Shut off power to the COBO logic board. Connect the **White** and **Yellow** wires to the **PH. CELL** input, and the **Blue** and **Brown** wires to the **24V** output of the COBO board. If installing the PB060, also connect the **Brown** and **Blue** wires of the emitter to the **24V** output of the COBO board.

WARRANTY / GUARANTEE

Chamberlain Australia Pty Ltd herein referred to as "The Company"

- (a) The Company shall guarantee the goods for a period of two years from the date of invoice against any defects in construction or operation arising solely from faulty design, materials or workmanship subject to the following clauses.
- (b) The Company shall at its option, repair, modify or replace defective parts or units at its own expense and within a reasonable time but the Company shall not unless otherwise agreed in writing be liable for costs associated with removal, replacement, transport or travelling expenses incurred by the Purchaser in obtaining the goods and returning them to the Company.
- (c) The Company does not guarantee the goods where:-
 - (i) the defect rises from materials supplied by the Purchaser or a design requested by the purchaser; or
 - (ii) the defect arises from ordinary wear and tear, neglect or misuse by the Purchaser, accident, lack of care, insufficient maintenance, incorrect installation or improper use of the goods; or
 - (iii) the defect arises from force majeure; or
 - (iv) the Purchaser has in any way modified or repaired the goods without the Company's prior written consent; or
 - (v) the Purchaser has not complied with any written or oral instructions concerning the operation and maintenance of the goods; or
 - (vi) the Purchaser is in default in the observance or performance of any other provisions of the contract; or
 - (vii) The Grifco electric motors are used in conjunction with controls other than those assembled and supplied by the Company.
- (d) Where warranty is approved for goods in a used condition, such goods will be repaired or replaced and returned to the purchaser as the Company sees fit. Refunds or credits will only be considered for goods not used and in new, undamaged condition.
- (e) The Company's liability under this guarantee will be strictly limited to repairing or replacing a defective product at the Company's premises, as it may elect.
- (f) The provision of sub-clauses (a) and (b) are stipulated for the benefit of the Purchaser only and are not intended for the benefit of any third party.
- (g) Save for sub-clauses (a) and (b) the Company does not give any warranty or guarantee or make representations whatever in respect of the goods or the fitness of the goods or any part thereof or any particular purposes (whether or not that purpose is known to the Company).

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