AAE977

Complies with ANSI/BHMA A156.10 Standard for Power Operated Pedestrian Doors. UL325 Listed

besam
ASSA ABLOY

Contents

Product Overview

The Ultraview combines k-band microwave and focused active infrared technology to provide superior activation and safety for the Unislide door system. For activation, the unit provides digitally processed and sophisticated motion tracking technology for unidirectional sensing when energy conservation is critical. For safety, the unit emits two rows of 24 beams of focused presence technology that provides extraordinary safety in and around the threshold Area. The active infrared curtains never shut off, even during closing. Thus providing superior detection performance.

SPECIAL NOTE: The Ultraivew works differently than the BEA Wizard... When making changes to the Ultraview reference the Ultraview users guide. If you inadvertently make changes based on the BEA Wizard, you will cause problems within the Ultraview system, which will result in callbacks.

Important Information

Important notice!

To avoid bodily injury, material damage and malfunction of the product, the instructions contained in this manual must be strictly observed.

Note!

Instructions, design, specifications and illustrations that are contained in this manual are not binding. Rights reserved for changes without previous notice.

Environment

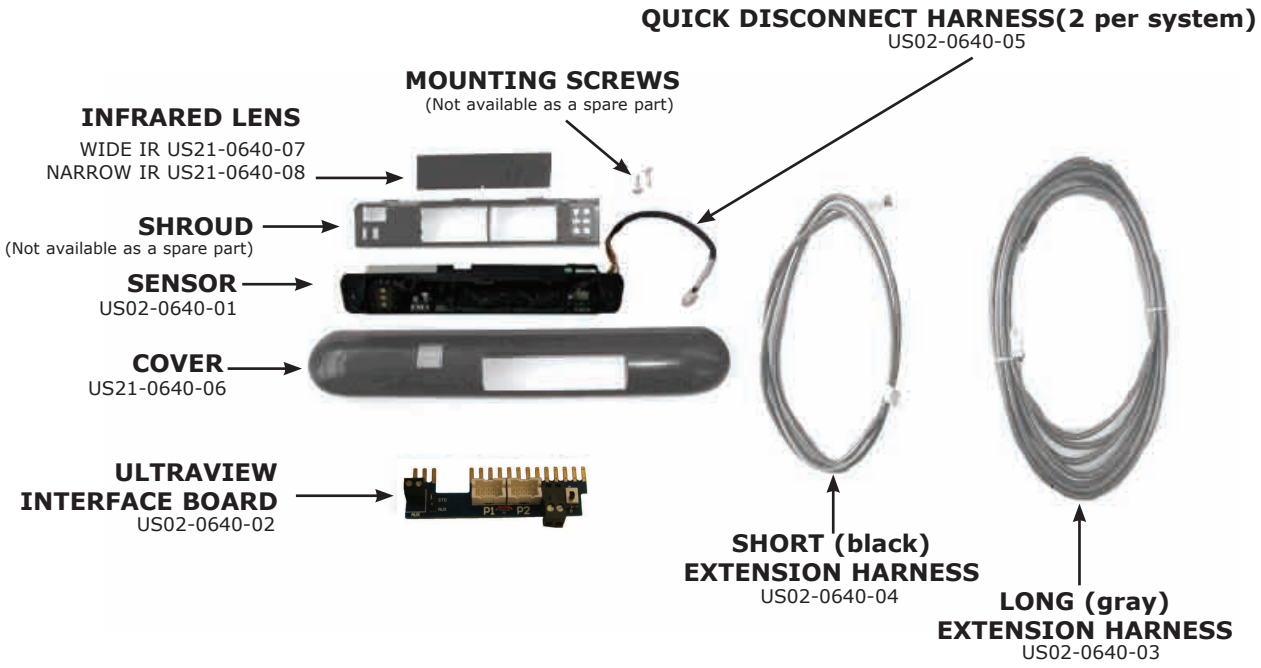
This operator may be equipped with batteries containing materials that are hazardous to the environment. Remove the batteries from the operator before it is scrapped. The batteries must be disposed of safely.

Technical Specifications

Description	Specification
Supply voltage	12 to 24 VDC: -5% to + 10%
Power consumption	<125 mA @24 VDC per sensor
Mounting height: Standard High	 5'9" to 8'2" (1753 mm to 2489 mm) 8'2" to 13' (2489 mm to 3962 mm)
Output	Motion Sensor Optocoupled Transistor (Activation) Max output current: 200 mA Max switching power:48 VDC Hold time 0.5 sec (fixed) Presence Sensor Optocoupled Transistor (Safety) Max output current: 200 mA Max switching voltage:48 VDC Hold time 1 sec (fixed)
Monitoring	P1: Test (0V) P2: C-Switch
3-color LED	GREEN : motion detection RED : presence detection ORANGE : monitoring / error code
Temperature range	-30°F to +131°F (-34° C to + 55° C)
Degree of protection	NEMA 3S / (IP54)
Sensor dimension (exposed)	11.9" (302mm) L x 1.9" (48mm) W x 0.9" (24mm) D
Weight	0.55 lbs / 250 g
Housing material	ABS & LURAN S
Cable description: Quick-disconnect Harness (sensor) Short Extension Harness (black) Long Extension Harness (gray)	 1' (300 mm), plug and play, 10-conductor 6' (1530 mm), plug and play, 10-conductor 16' (4580 mm), plug and play, 10-conductor
Product conformity	R&TTE 1999/5/EC & EMC 89/336/EEC, FCC
Interface	Factory Installed

	Motion Sensor	Presence Sensor
Technology	Microwave and microprocessor Transmitter frequency: 24.125 GHz Transmitter radiated power: <20 dBm EIRP Transmitter power density: < 5 mW/cm²	Focused active infrared with background tracking and self-monitored microprocessor Spot diameter (standard) : 4" max Number of spots : 24 or 12 spots by curtain Number of curtains : 2
Detection field at 7' (2130mm) mount height Wide field Narrow field	 13'0" W x 6'6" D (3962 mm W x 1981 mm D) 6'6" W x 8'2" D (1981mm W x 2489 mm D)	 6'6" W x 13.75" D (1981mm W x 349 mm D) 3'3" W x 13.75" D (991 mm W x 349 mm D)
Detection mode	Minimum detection speed 2 inches / sec. (measured in the sensor axis)	Response time : < 128ms
Angular adjustments	from 15° to 45° in elevation (adjustable)	from - 4° to + 4° (adjustable)
Manual adjustment	Orientation of sensing field (mechanically) Shape of the sensing field (choice of antenna) Multiple functions (using push buttons).	Orientation of sensing field Shape of the sensing field (choice of lens) Multiple functions (using push buttons).
Remote control adjustments	Sensitivity Detection mode Immunity	Sensitivity Auto-learn time

Component Identification



Ultraview Replacement Sensor Kit - US15-0640-14

One assembled unit consisting of sensor, shroud, cover, wide lens, narrow lens, mounting screws and quick disconnect harness.

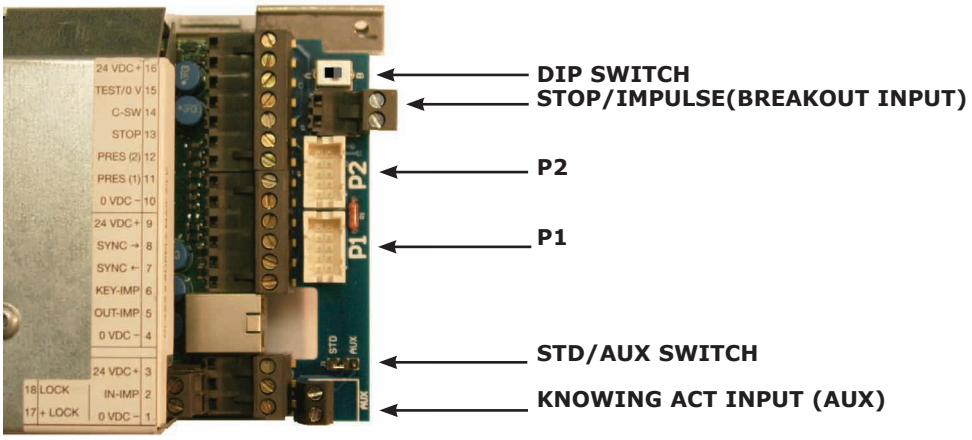
Electrical Installation

Connect the Extension Harnesses to the Ultraview Interface Board at the control as follows:

1. Designate the sensors as P1 or P2.

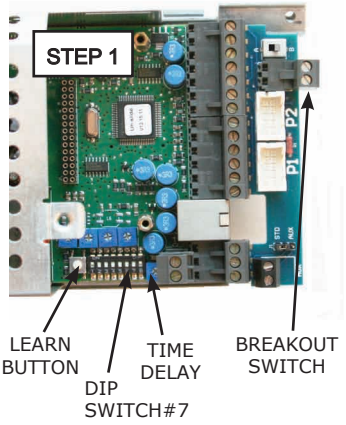
Important: The side of the door "not intended for use" when door is in one-way mode will be designated P2.

2. The longer extension harness has a gray jacket and will be connected to the sensor on the plank side. The shorter extension harness has a black jacket and is connected to the header access side. Based on Step 1, connect the appropriate extension harness to the appropriate connector on the Ultraview Interface Board.



Note: Before connecting and tuning the sensors, complete all operator adjustments and verify proper operation of the door system for compliance with applicable ANSI standards

Intial Sensor Setup



1.Power up the Unislide and tune the door. **(Unislide control V12.16.2 and above)**

a.Remove the control cover and flip dipswitch #7 to OFF (down); turn the time delay counterclockwise and disconnect the breakout switch terminal block and keep P1/P2 disconnected.

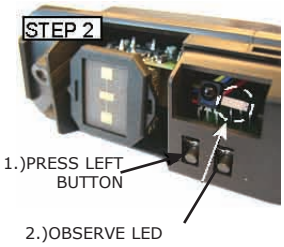
b.Slide door(s) closed and with the 5-position switch in Auto mode, press the Learn button located on the bottom edge of the control. The door should cycle slow open - slow closed.

c.Put the 5-position switch to Hold-Open and observe the door cycle for back check functionality and make door adjustments if required and turn the time delay to a minimum of 1.5 seconds.

d.Connect P1 and P2 (P2 = side not intended for use during a "1-way" traffic mode) to the adapter board.

e.Open the Unislide cover and on the Unislide control box, flip dipswitch #7 ON (for monitoring). Close the cover to the control box.

f.Close and latch Unislide cover. Set the rotary switch to the "Auto", two-way traffic position. Momentarily press the reset button located next to the 5-position switch.



2.The Ultraview sensors are factory set in "Neutral" mode. To set up the system, the sensors will need to be designated as P1 or P2, and then the sensors will need to be configured for the particular installation. The system will not properly function until the sensors are designated.

3.On the sensor to be designated as P1, confirm that it is connected to P1 at the interface board then press the left push button for 3 seconds and release.The LED will flash green once (meaning set to P1), and then steady red. The sensor will establish communication with the other sensor and the LED on both sensors will flash slowly green (1 Hz) for 2 minutes duration, and the other sensor will automatically be designated P2.

4.If the sensor is designated incorrectly, press and hold the left push button of the P1 sensor for 5 seconds and the sensor will return to neutral mode. The LED will flash green three times when the push button is released. Then repeat step 2.

5.Mechanically adjust the presence field of each sensor for the installation.

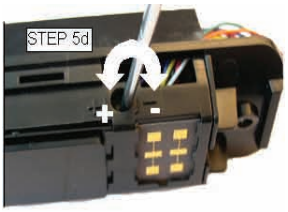
a.Launch a setup of the system by momentarily pressing and releasing the right push-button (on either sensor), and then step away from the pattern. This will launch a setup for both sensors at the same time. Adjust one sensor at a time thereafter. Keep traffic away from the sensor's pattern.

If the right push-button is pressed for 3 seconds, the sensor will be in a manual set-up mode. The sensor will flash red, then green a number of times. To return to the standard mode press the right push button again for 3 seconds until the LED light stops flashing and then release.

b.The sensor will automatically go through a set-up and the LED will flash red/green a number of times. The door will open, then close while the LED is flashing (the sensors are learning the influence of the door) - this will take approximately 16 seconds

c.The LED will display one of four conditions:

LED STATUS (after pushing right pushbutton)	**MEANING**	**ACTION**
Rapid flashing RED	Presence pattern is too close to door	Adjust screw counterclockwise(+)
Rapid flashing Green	Presence pattern is too far from door	Adjust screw clockwise(-)
None	Presence pattern is properly positioned	None
ORANGE	ERROR	See Troubleshooting Guide on pg. 11



d.If needed, turn the adjustment screw with a small screwdriver ½ revolution, then repeat step 5a.

e.Repeat steps 'a' through 'd' for the other side of the door.

f.If any operator adjustments are made a new setup must be launched.

6.Connect the break-out switch connector (see picture Step 1) and secure the header cover.

7.(Once the Unislide and Ultraview covers are installed and secured in place). Launch a final set-up via the remote control (magic wand 0)

8.When the Ultraview system acknowledges an internal fault, the sensor will make 3 additional tests to confirm the fault. Overall, this takes approximately 45 seconds, after which, if the fault is still present, the system will shut down in a safe state. It will then be necessary to power off, then back on. If the fault is still present, the process will repeat itself. If the fault is cleared by the power cycle, the system will return to normal operation. During fault acknowledgement, the door will stay open following the first activation after the fault.

HELPFUL TROUBLESHOOTING HINT:

All door adjustments and door glass must be in place before final IR cutain set-up
Upon powering the Ultraview system, if sensors are properly programmed with relation to P1 and P2, the sensors will display a momentary green LED that flashes once every 1 seconds (1Hz). This will continue for 2 minutes. If there is no momentary green flashing upon powering, the sensor may be improperly programmed. When this occurs, the door, once open, will remain open until the problem is resolved.

3.Upon a faulty setup, the affected sensor will be flashing a green or red LED. The flashing LED will last for approximately 5 minutes, after which it will expire. **It is absolutely necessary to then launch another setup following the IR angle adjustment.**

Mechanical Adjustments (Presence and Motion Sensing Fields)


NARROW-FIELD LENS
[3'3"(W)X13.75" (D)]

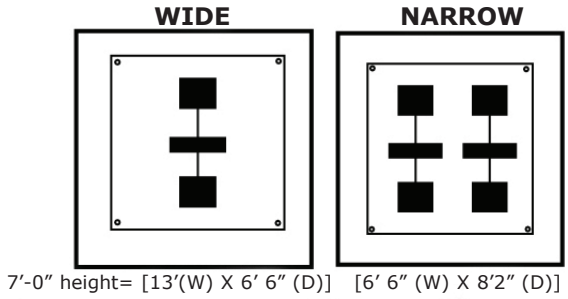

WIDE-FIELD LENS (FACTORY DEFAULT)
[6'6'(W)X13.75(D)]

1.Presence Field - To adjust the presence pattern width, install the desired lens for the infrared curtain (presence), as shown below. Simply replace the lens by sliding the new lens into the slot on the shroud. Narrow Lens is suitable for smaller door openings or high-mounting applications. Most applications will warrant the use of the wide pattern IR lens. The narrow lens should only be used for the narrowest door openings at interior locations.

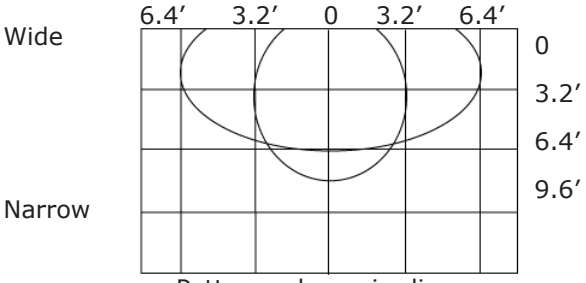

CHANGE PRESENCE LENS IF NEEDED

2.Motion Sensing Field - To adjust the microwave sensor's pattern width (motion detection), select the proper antenna to comply with applicable standards. Walk test the area to confirm that there is appropriate level of activation. Refer to the diagram below for approximation of field size for each pattern.

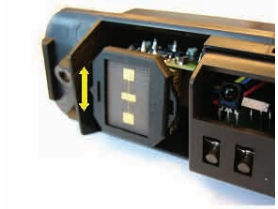

REMOVE BEZEL




OPTIONAL NARROW ANGLE ANTENNA



Patterns shown in diagram are those at 30° angle


ADJUST ANGLE BY TILTING MICROWAVE CELL

3.The position of the sensing field - is determined by the vertical angle of the planar antenna. The angle is adjusted in 3 increments by gently rotating the antenna forward or backward.The factory-set mounting angle is 30º . A 15º angle will result in the pattern being drawn back towards the door, whereas the 45º will place the pattern farther away. Be certain to walk-test detection field and insure compliance with current applicable ANSI standards.

Adjusting Settings with Remote Control

Every programming session must begin by unlocking the sensor. Thereafter, a program setting may be altered by pressing the desired function key, followed by the desired value for that function. When all programming is complete, press the lock key twice to retain settings. Use the following as a guide:

Unlock the sensor to enter into adjustment session (if no access code has been entered). If a lock code is present: the "1" for P1 or "2", for P2 must be entered, followed by the lock code.	 Press Unlock key	 RED LED flashes	 1  2	1=P1 or 2=P2	 RED LED flashes
To change the value of a parameter (ex. Automatic learn time)	 Select parameter to change	 RED LED flashes quickly	 Enter new value		 RED LED flashes slowly
… to change any other parameters (ex. Sensitivity)	 Select parameter to change	 RED LED flashes quickly	 Enter new value		 RED LED flashes slowly
To check the value of a parameter (ex. Automatic Learn Time)	 Select parameter to check	 RED LED flashes quickly	 Press Question Mark	 The number of green flashes indicate the value of this parameter	 RED LED flashes slowly
Lock the adjustment session and go back to normal function	  Press lock key twice	or 	+ lock code*		
	* the lock code may be one, two, three or four digits long. If the lock code is less then 4 numbers, then the code must be followed by the lock button to lock the sensor.				

Setting up the Sensor with the Remote Control

The sensors can be programmed with the aid of the remote control.
To do so, perform the following:

1.With the P1 and P2 harnesses connected, apply main power to the Unislide control.

2.Unlock P1 with the remote control (be certain only P1 is unlocked):

- **a.**Press the Unlock button (the LED will flash red quickly)
- **b.**Press 0 (as a function key)
- **c.**Press 1 (the LED will flash red slowly indicating communication)
- **d.**Press lock twice (this will program the chosen sensor to a 'P1' designation)

3.Unlock P2 with the remote control:

- **a.**Press the Unlock Button (the LED will flash red quickly)
- **b.**Press 0
- **c.**Press 2 (this will program the chosen sensor to a P2 designation)
- **d.**Press lock twice

4.To check the sensor's designation, unlock the sensor, and then press the number 1 or 2. The LED will flash red slowly when the correct number is entered. After complete, press lock twice.

5.Shut off main power to the Unislide - wait 5 seconds.

6.Re-apply power.

7.Unlock P1 (press unlock then 1).

8.Press magic wand on the remote control.

9.Press 0 - this will launch a set-up. Keep traffic away from the sensor's pattern.

- **a.**Sensor will flash red and green alternately
- **b.**Both sensors will automatically go through a set-up
- **c.**The door will open, then close while the LED is flashing (the sensors are learning the influence of the door) - this will take approximately 16 seconds
- **d.**To adjust properly, follow the instructions on page 5, section 5c

Remote Control

Door Control F2

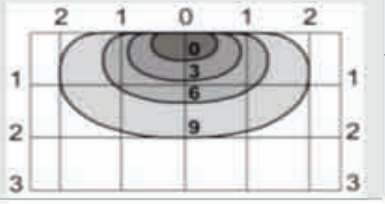
1:normal
(LED in normal mode)

2:door permanently open
(red LED ON)

3:door permanently closed
(red LED OFF)

Sensitivity

0(min)->9(max) **default=7**



Microwave Detection Mode

1:bidirectional mode

2:unidirectional mode

3:unidirectional mode with MTF

Re-entry Zone

1(min sensitivity)->9(max sensitivity)
Default=3
0 = off

	Unlock
?	Check values
	Lock

Automatic Learn Time

0: 30 seconds
1: 1 minute
2: 2 minutes
3: 5 minutes
4: 10 minutes
5: 20 minutes
6: 60 minutes
9:Infinity - no learn

Setup

0	launch an assisted setup
9	restore factory settings

When restoring factory defaults(Magic Wand+9), the sensor will self-launch a setup, but will not change the designation of P1 and P2

SPECIAL NOTE: In the event you believe the frequency needs changed for your application please contact the Besam factory.

- The remote control provides ease of programming for the Ultraview. Make sure the batteries in the remote control are charged - replace as necessary.
- Open the battery compartment at the back of the remote control.
- Insert 2 AAA batteries.

1-Way Traffic: Setting Up The Re-Entry Zone

The Ultraview sensor has a Re-Entry Zone function (see remote functions on Page 8) that allows the User to define a secondary sensitivity level for the purpose of re-entry that is independent of the normal microwave sensitivity. When using this function, the 0 value is off, while the values of 1 through 9 are the sensitivity levels - 9 being maximum sensitivity. When at a value of 1 through 9, the secondary activation pattern is defined, and the output from this zone is linked to the presence output from the sensor. Additionally, to aid in the setup, the sensor's LED will show red when the Re-Entry Zone is in detection.

By default, the Re-Entry Zone sensitivity is set to 3. This will need to be fine-tuned per each application. To test the zone, perform the following:

1.Place the rotary switch on the header to a 1-way traffic mode.

2.Activate the door normally and proceed to the side not intended for use. Move to about 5' away from the door.

3.As soon as the door starts to close, walk slowly towards the Ultraview sensor.

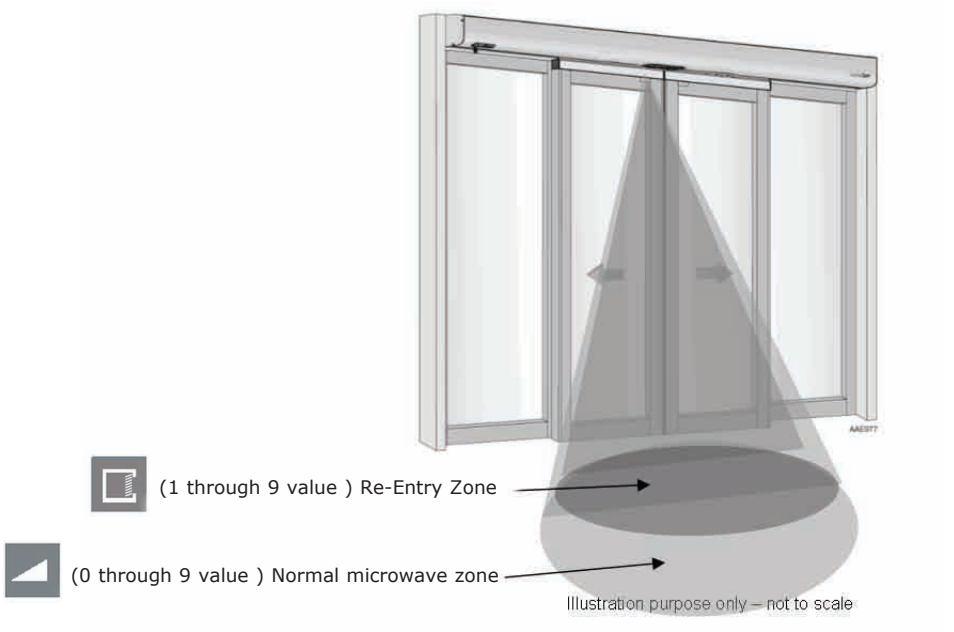
4.As you walk towards the sensor, the LED will turn green to indicate motion detection. However,the door will not re-cycle open at this time (it will continue to close), because the motion output is going to the Outer Impulse at the control box, which has been ignored due to the 1-way traffic selection.

5.Continue walking toward the door. As soon as the LED turns red, the door should re-cycle open.The re-activation must occur at 24" or greater from the face of the sliding door.

6.If activation is at less than 24", increase the Re-Entry Zone sensitivity and test again. Be sure to test the zone from all approach angles to insure the following:
Detection pattern must extend out from the face of the door to 24" or greater, as measured from the center of the clear door opening.
Detection pattern must extend for the full width of the clear door opening
Detection pattern must be within 5" of the face of the sliding door as measured at the center of the opening.

7.Remember, when the rotary switch is in the 1-way traffic mode, activation from the sensor at "the side not intended for use" will re-activate the door only if a detection is realized by the Re-Entry Zone, or by the infrared presence zone.

8.Don't forget to adjust normal microwave sensitivity for when the rotary switch is in a 2-way traffic mode. When the switch is placed back to the 2-way traffic mode, sensor indications will remain the same, however, activation from the normal microwave detection pattern will allow door activation.



Manual Set-up (without Remote)

MANUAL
PUSH-BUTTONS

In addition to the remote control, set-up of the parameters of the Ultraview may be done by using the two sensor-mounted push buttons. The procedures below indicate how to program using these buttons.

TO RESET THE UNIT TO FACTORY DEFAULTS including the access code
Press and hold both buttons simultaneously until both red and green LED lights flash alternately.

TO ENTER INTO MANUAL SET-UP MODE
Press the right button for 3 seconds and release.
The LED will flash red, then green a number of times.
To return to standard mode:
Press the right button again for 3 seconds
until the LED light stops flashing and then release.

TO CHANGE PARAMETERS
The red LED light indicates the number for the parameter being altered (1 flash = parameter #1).
The green LED light indicates the value for the parameter being altered (1 flash means value = 1).
The right button enables selection of the parameter number being altered (+1 for each press).
The left button enables alteration of the value (+1 for each press).

Manual Set-up (without Remote)

Parameter Number (altered by the right button and confirmed by RED LED)	Parameter	Values (altered by the left button and confirmed by GREEN LED)	**Default Value**
1	Radar Sensitivity	0-9	**7**
4	Automatic Learn Time	0-9	**0**
5	Detection Mode	1-3	**3**
11	Re-entry Zone	0-9	**3**
14	Door control function	1-3	**1**

EXAMPLE: Change radar sensitivity from 7 to 9 :
1.Press the right button for 3 seconds to enter the customizing mode
The green LED flashes once (parameter 1)
The red LED flashes 7 times (sensitivity = 7)
Press the left button twice to move from sensitivity = 7 to sensitivity = 9
Press the right button for 3 seconds to leave the customizing mode

NOTE:
1.When the highest value for the parameter has been reached, the value will "roll over" to its lowest value
(e.g. for detection mode: 1, 2, 3, then 1, 2, …).

2.The sensor automatically returns to standard mode if neither button has been pressed for one minute.

Troubleshooting

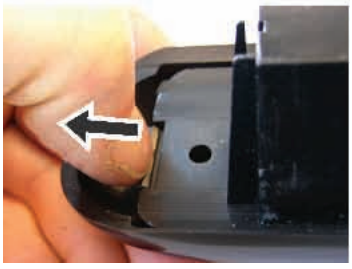
Problem	Probable Cause	Corrective Action
Red LED on at Ultraview.	1.Ultraview in detection.	1.Adjust infrared pattern away from the door and launch a new set-up. Refer to page 3 for infrared adjustments.
Door will not close Red LED off at Ultraview.	1.On-Off switch at door control in wrong position or is faulty. 2.Faulty door control. 3.Monitoring failed.	1.Ensure the On/Off switch for door is in the ON or AUTOMATIC position. If switch is in correct position, check switch for proper operation. 2.Check door control. 3.Power off / on by pressing the reset button next to the 5 position switch
Door will not open.	1.On-Off switch at door control in wrong position or is faulty. 2.Ultraview not detecting traffic. 3.Faulty door control. 4.Door is broken out or there is a faulty breakout switch	1.Ensure that On-Off switch for door is in ON or AUTOMATIC position. If it is in correct position, check switch for proper operation. 2.Walk in and out of Ultraview detection area, if red LED does not illuminate check the power supply for Ultraview: 12 to 24 VDC: -5% to +10% (pins 1 and 2, wire color red and black). 3.Remove all sensor inputs from the door control. Jumper the common and activate terminals of the door control. If door does not open, fault lies within door control or motor. Refer to manufacturer's manual for further troubleshooting. If door opens, fault lies with sensors or related wiring. 4.Disconnect and test breakout switch
Door keeps recycling open	1.Ultraview is seeing door. 2.Ultraview is seeing movement from unwanted objects. 3.Vibration is triggering the Ultraview. 4.Door is binding on closing, thus causing a reversing	1.Observe LED status on each Ultraview. Green LED indicates motion detection, red LED indicates presence. If LED's are illuminating make sensor adjustments as necessary to eliminate unwanted detection. Check angle and sensitivity for presence and motion (see pg6). 2.Check for moving objects in the path of detection, such as posters, banners, etc. 3.Locate source of vibration and correct as necessary. 4.Check for obstructions
Ultraview will not respond to remote control.	1.Batteries in remote are dead or are installed improperly.	1.Check to insure that the batteries are installed correctly - observe polarity. 2.Replace batteries - AAA 1.5 volt.
Ultraview will not unlock when access code is entered.	1.Improper code being entered.	1.Reset code to the default value of 0000 by performing the following: a.Cut and restore power supply. No code is required to unlock during the first minute after powering. Reset code prior to locking.
Solid orange LED	1.Sensor is in an automatic self adaptation mode and cannot find a new detection threshold, the IR signal is saturated	**DO NOT POWER OFF/ON** 1.Remove objects too close to the door (Installation Ladder) 2.Replace the narrow front lens by the wide one 3.Change the IR curtain tilt angle slightly 4.Reduce floor reflectivity
Orange LED flashing 2 x per second	1.Sensor configuration corrupt 2.Internal system tests failed	1. Power Off /On by pressing the reset button next to the 5 position switch 2. If problem reoccurs ->Replace Unit
Triple orange flash every 1 minute	1. Sensor P1 or P2 is set to Neutral and the other sensor is set to P1 or P2	1.Check electrical installation (pg4) 2.Check Sensor set-up (pg5)
Rapid flashing orange LED	1. System not properly set-up - Time out	1.Power Off / On by pressing the reset button next to the 5 position switch 2.Check Sensor set-up (pg5) 3.Check electrical installation (pg4)

Troubleshooting-continued (P1 and P2 related errors)

Problem	Probable Cause	Corrective Action
Green flashing LED (1Hz) on one sensor only and the other sensor without LED indication.Sensor will change to rapid orange flash after a few minutes.	Wrong set-up of P1,programmed sensor P1 does not match wire connection P1 on the interface.	1)Reset system to neutral 2)Power Off / On by pressing the reset button next to the 5 position switch 3)Select correct sensor with P1
Both sensors indicate solid red LED	Both sensors programmed to P1 or P2.	1)Reset system to neutral 2)Power Off / On by pressing the reset button next to the 5 position switch 3)Select correct Sensor with P1
3 x orange flash then solid red on one sensor, normal LED indication on the other sensor, and door stays open.	One sensor set to P2 and the other to neutral.	1)Reset system to neutral 2)Power Off / On by pressing the reset button next to the 5 position switch 3)Select correct Sensor with P1
Fast flashing orange LED for a few minutes then solid red on one sensor, the other sensor no LED indication	One sensor set to P1 and the other to neutral.	1)Reset system to neutral 2)Power Off / On by pressing the reset button next to the 5 position switch 3)Select correct Sensor with -P1

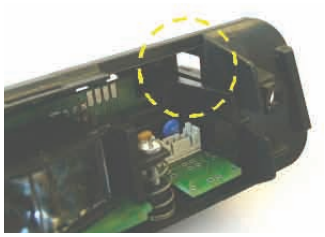
Mechanical Installation (for Retrofit Installations)

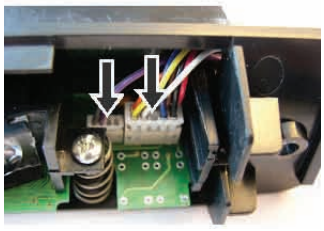
1. Separate the cover from the unit by prying apart the attachment clips.



2.Remove the shroud from the sensor by squeezing with both hands on the shroud

3. Route the two connectors of the harness through the hole in the side of the sensor and connect to the two headers on the circuit board.



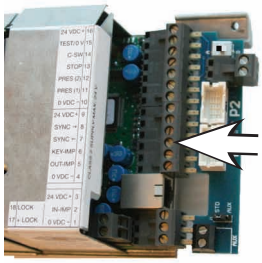


4. Attach the sensor to the header using the two Phillips head screws being careful that the sensor wires do not obstruct the mounting of the sensor base. Then, replace the shroud on the sensor.

5. Repeat the installation procedure to the other side of the header.

6. Attach the cover to the sensor only after all mechanical adjustments are made.

Electrical Installation



1. Insert the Ultraview Interface Board into the Unislide Door Control and tighten all of the screw terminals so that the Interface is securely fastened to the Control.

2. Insert the connectors from the sensor harnesses to the board as labeled (see page 4).

3. Set dip switch to position A. Position B is not active and will be used in future product development.

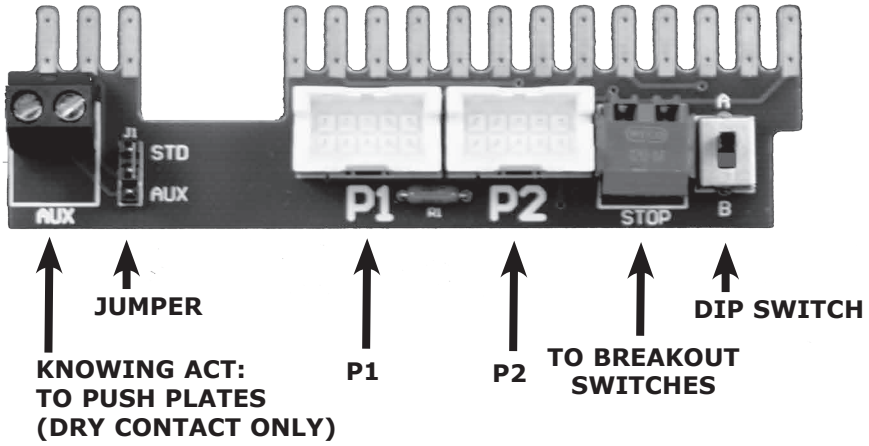
Standard Input vs. Auxiliary Input

The Ultraview Interface Board located at the front of the Unislide control has an option to allow the input of a 'Knowing Act' device, such as push plates. The input device must have a dry contact switch connected to this point. A small switch next to the input allows the User to toggle between STD and AUX. The STD position is the default position. The AUX position is selected for applications that require initial activation by the Knowing Act device only. Thus when the switch is set to AUX, the initial activation must be provided by the push plate (or otherwise), then once the door is at a position other than fully closed, the Ultraview sensors will function with respect to the IR curtains, as well as according to the microwave

patterns as defined by the Re-Entry Zone, as programmed by the remote control (see page 10 for the correct key). When using the AUX position, each Ultraview sensor must have the microwave Re-Entry Zone configured to meet the requirements of a secondary activation sensor.

The AUX input (when toggled to the AUX position) will be recognized by the control at any Unislide On-Off switch position other than the OFF position.

For applications requiring a standard 1-way traffic mode, simply leave the Ultraview switch in the STD position, and then place the Unislide On/Off switch (on the Unislide header access cover) position to the 1-way traffic mode. The AUX input will not be acknowledged when placed in the STD position.



Example applications

2 push plate application	1 plate (cover side)	1 plate (plank side)
1) Wire push plate to AUX input	1) Wire push plate to AUX input	1) Wire push plate to AUX input
2) Dip switch to AUX position	2) Dip switch to AUX position	2) Plate side sensor needs to be plugged into P1 connector on interface
3) 5 position key switch to one-way	3) 5 position key switch to two-way	3) Dip switch to AUX position
4) Set re-entry key on both sensors (24”)	4) Set re-entry key on P1	4) Set sensor to neutral
	Note: if key switch is set to one-way, set re-entry key on P2 also. (night mode)	5) Designate P1 sensor
		6) Set 5 position switch to two-way
		7) Set re-entry key on P1

1.There are three different configurations available with the Ultraview System:

a.Full Time 1-Way Security:
Set STD-AUX switch to AUX position - this disables the P1 sensor during the door closed position.
Set rotary switch to 2-way traffic position
Connect the normally open and common dry contacts of the secure access device (keyswitch, card reader, prox reader, etc.) to the AUX connector of the Ultraview interface.

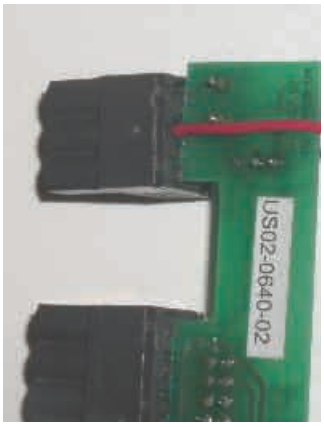
Performance:
1.P1 will be disabled when the door is fully closed, but will be capable to provide detection for all other door positions.
2.P2 will always be capable to create door activation, regardless of door position.
3.Setting the rotary switch to the OFF position will disable all inputs once the door is fully closed.

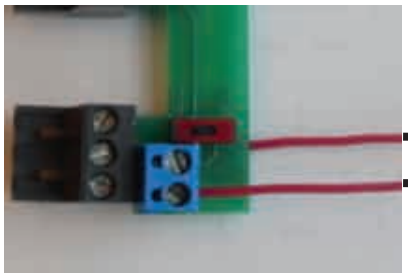
b.Full Time 2-Way Security:
Set STD-AUX switch to AUX position - this disables the P1 sensor during the door closed position.
Set rotary switch to 1-way traffic position - this will disable the P2 sensor during the door closed position. Connect the normally open and common dry contacts of the secure access device (keyswitch, card reader, prox reader, etc.) to the AUX connector of the Ultraview interface.

Performance:
1.P1 and P2 will be disabled when the door is fully closed, but will be capable to provide detection for all other door positions.
2.A momentary contact closure at the AUX input will always be capable to create door activation, regardless of door position.
3.Setting the rotary switch to the OFF position will disable all inputs once the door is fully closed.

c.Part Time 1-Way Security (Day-Night Mode):
Set STD-AUX switch to STD position.
Set rotary switch to 2-way traffic position.
Connect the normally open and common dry contacts of the secure access device (keyswitch, card reader, prox reader, etc.) as follows:
1.Connect the Normally Open contact to the AUX terminal closest to the outer edge of the interface.
2.Connect the Common contact to the #2 (Inner Impulse) terminal of the interface.

Unplug the interface from the control
Loosen terminal screw #2 (Inner Impulse)
At the backside of the interface, insert a short wire (approx.6”)
Retighten terminal screw #2
Re-insert the interface into the Unislide control
Connect a second short wire to the outermost AUX terminal position as shown.





Performance:
1.P1 and P2 will operate normally while the rotary switch is in the 2-way traffic position. There will be no secure access from either side.

Set rotary switch to 1-way traffic position -
2.The P2 sensor will be disabled during the door closed position.
3.P1 will continue to operate normally. P2 will become the secure side. Activation at the P2 side must be initiated by a momentary closure of the secure access device.
4.Setting the rotary switch to the OFF position will disable all inputs once the door is fully closed.

Planned Maintenance Checklist

To perform a proper Planned Maintenance inspection, you must follow the checklist below. Please use your service tickets to note that this was done and record any problems discovered and the action(s) taken.

- ☐ **1.**Visually inspect door operation.
- ☐ **2.**Check activation and threshold detection devices.
- ☐ **3.**Check for tripping hazards.
- ☐ **4.**Check door function switch.
- ☐ **5.**Check for proper operation of lock assembly.
- ☐ **6.**Check for required signage.
- ☐ **7.**Check for loose glass stops or damaged glass.
- ☐ **8.**Check all panels for damage and missing or damaged weather stripping.
- ☐ **9.**Check panic latches for proper release force.
- ☐ **10.**Check panic circuit operation for operator cut off or spring return.
- ☐ **11.**Clean and inspect bottom guide tracks.
- ☐ **12.**Check bottom guide assembly for proper adjustment and excessive wear.
- ☐ **13.**Check door closing speed and closing force.
- ☐ **14.**Check closing latch location.
- ☐ **15.**Check that door hold open time is 1.5 seconds or longer.
- ☐ **16.**Remove access cover and check motor and gearbox for leakage and noise.
- ☐ **17.**Inspect drive pulleys and belt for proper alignment.
- ☐ **18.**Inspect drive belt for proper tension and excessive wear.
- ☐ **19.**Clean hanger rollers and repair or replace if damaged. Adjust roller height if necessary.
- ☐ **20.**Clean roller track and remove any debris. (Do not lubricate track).
- ☐ **21.**Inspect anti-riser block or rollers for damage and/or binding.
- ☐ **22.**Insure that all wiring in the header is properly routed and protected from any moving components.
- ☐ **23.**Re-install and secure access cover and re-check the complete door operation.
- ☐ **24.**Clean door, glass and header thoroughly.
- ☐ **25.**Note on the Planned Maintenance review any recommendations to improve door performance and reliability, and review with customer.

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