Integrated Sensor Field Testing Device

Service Instruction

These instructions apply to:

Pella® Lifestyle Series Triple-Panel 2019 - Current
Pella® Entry Doors and Architect Series® Entry Doors 2016 - Current
Designer Series® 2016 - 2018

USE: The testing device is used to troubleshoot issues with windows and doors with the Insynctive integrated sensors. If this device does not work as described in this instruction, it indicates the inner circuitry has malfunctioned, and a new lock and sensor assembly may be needed. If the device works as described, this indicates the inner circuitry works in the lock and sensor assembly as designed, and the issue needs further diagnosis. If device lights do not turn on as described, change out the battery in the device first before assuming the unit's circuitry is bad. (This can also be easily checked by pressing any of the test device switches and seeing if the LED's light up.)

Testing Device LED Light Quick Reference Guide

	Red	Blue	Green	Yellow
Casement	installed	locked	n/a	closed
Double-Hung	installed	installed	locked	n/a
Entry Door 3pt	installed	n/a	locked	closed
Designer Series SPD	installed	n/a	locked	n/a
Architect Series / Lifestyle Series SPD	installed	locked	n/a	n/a
All Hinged Doors	installed	n/a	locked	n/a

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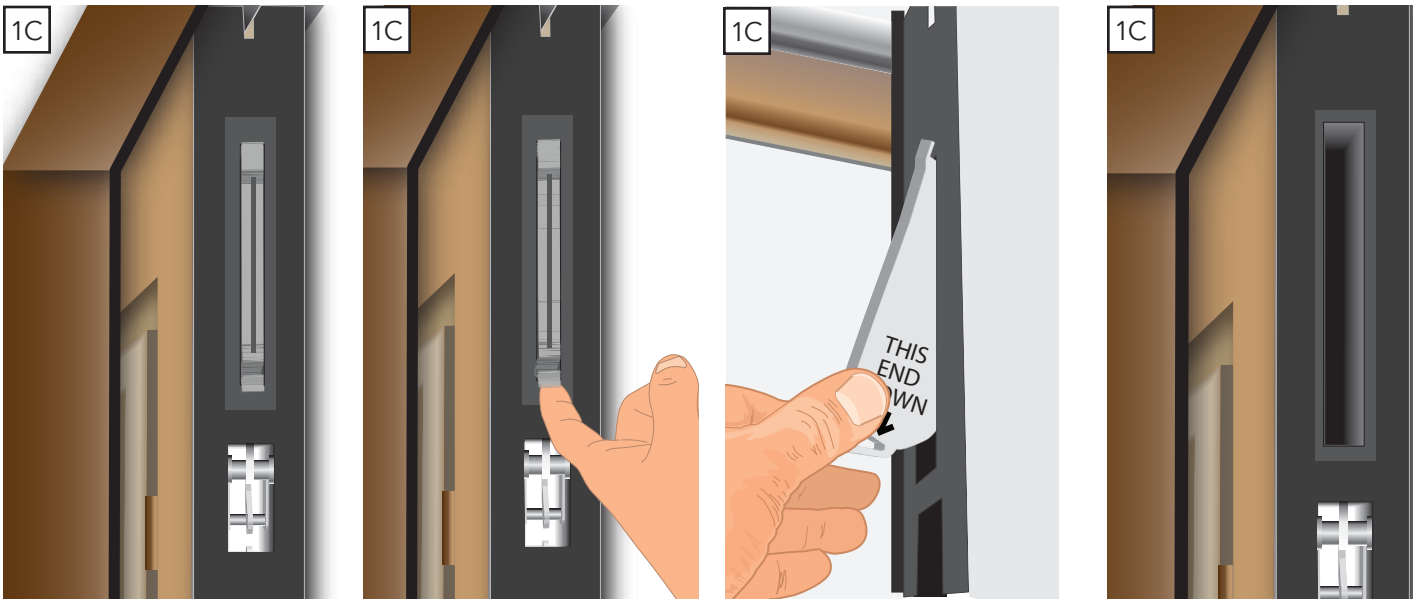
1 Removing Integrated Sensor/Inserting Field Testing Device:

NOTE: Illustrations show removal and insertion steps in a Sliding Patio door unit, steps for Double-hung, Casement, Hinged and Entry door are similar.

A. Unlock and open the door or window to access the integrated sensor.

B. Locate the integrated sensor on the door panel or window vent sash.

C. Remove the integrated sensor by pushing on the tab on the end of the sensor and pull/rotate the sensor outward.

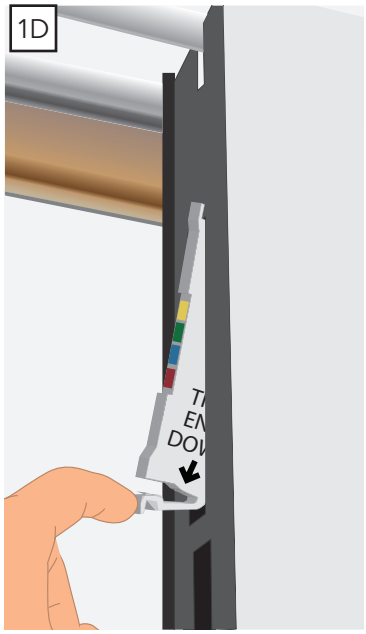


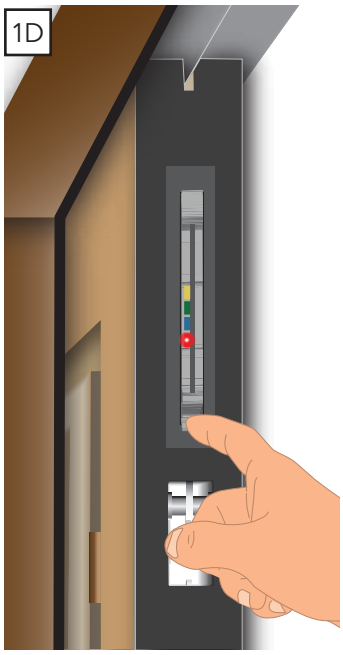
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1 Removing Integrated Sensor/Inserting Field Testing Device (continued):

D. Insert field testing device into the integrated sensor slot with the rounded end down and the notch in the front. Angle the testing device so the notch catches the top front of the sensor slot first. Once the top of the slot is in the notch, push the rest of the testing device into the slot until it 'clicks'. Once it clicks, the testing device has been properly inserted into the sensor slot.

NOTE: Proper testing device insertion is indicated on all doors and casement product when the **Red** light is at the bottom of the testing device. The **Red** light will be on the left for double-hung product.





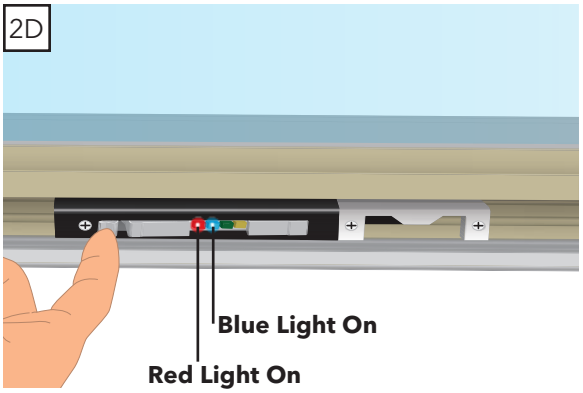
2 Using Testing Device in Double-Hung Window Units (2016-2018 Vintage) Designer Series Only Vintage - 2016-2017:

A. Unlock the lower sash.

B. Rotate the lower sash to "wash" position.

C. Locate the integrated sensor on the upper sash in the upper check rail. Remove Integrated Sensor and install testing device as shown in step 1.

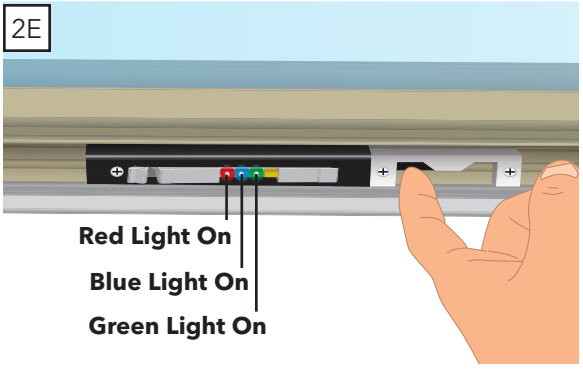
D. When the testing device has been properly inserted into the sensor slot the **Red and Blue lights should come on.**



Lower Sash in "Wash" Position:

E. Locate lock strike housing on the upper sash in the upper check rail, next to the sensor slot.

F. Inside the lock strike housing, push the switch back until it 'clicks', locking mechanism should read as engaged on testing device with **Red, Blue and Green lights on.**

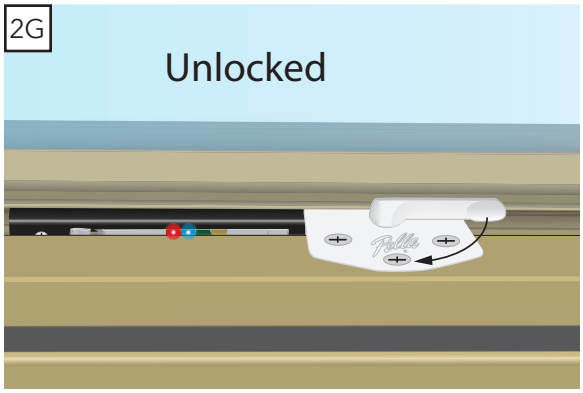


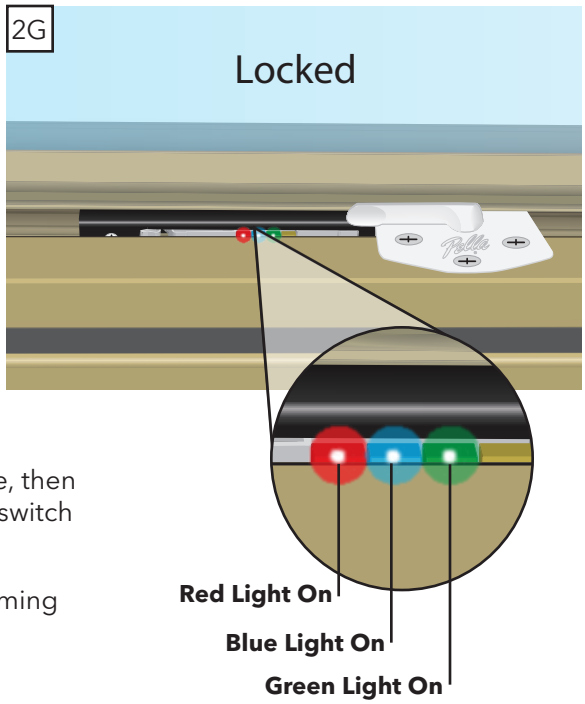
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2 Using Testing Device in Double-Hung Window Units (continued) (2016-2018 Vintage):

Lower Sash in Closed Position:

G. Turn lock to lock both sash together. **(Red, Blue and Green lights should come on).**





H. If the green light comes on in step 2F above, but does not here, then the problem is with the cam lock (wrong cam lock) or with the switch assembly location (loose, attached improperly).

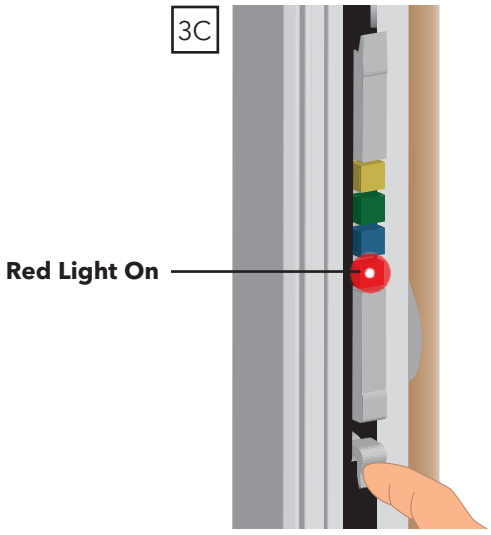
I. Remove Testing Device and insert Integrated Sensor by performing steps 1A-1D in reverse.

3 Using Testing Device in Casement Window Units:

A. Crank open the window.

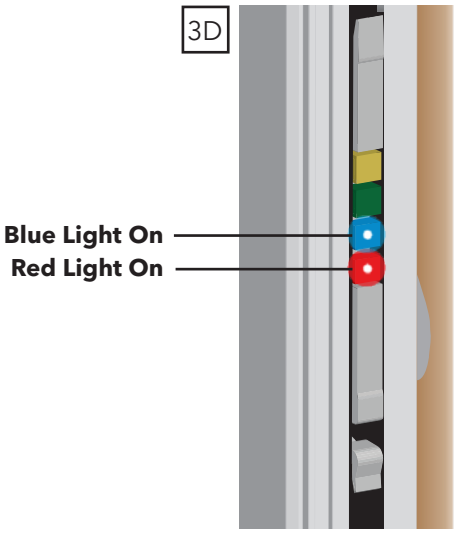
B. Locate the integrated sensor on the exterior of the lock jamb, above the lock handle. Remove Integrated Sensor and install testing device as shown in step 1.

C. When the testing device has been properly inserted into the sensor slot the **Red light should come on.**



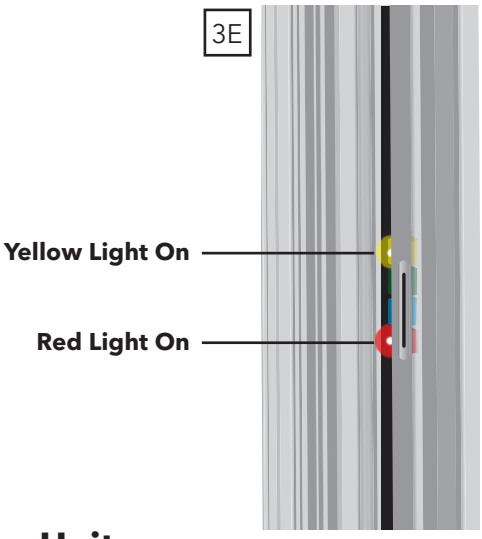
3 Using Testing Device in Casement Window Units (continued):

D. Window Open, Lock Engaged – **Red, Blue should come on.**



E. Window Closed, Unlocked – **Red, Yellow should come on** (viewed from interior).

F. Remove Testing Device and insert Integrated Sensor by performing steps 1A-1D in reverse.

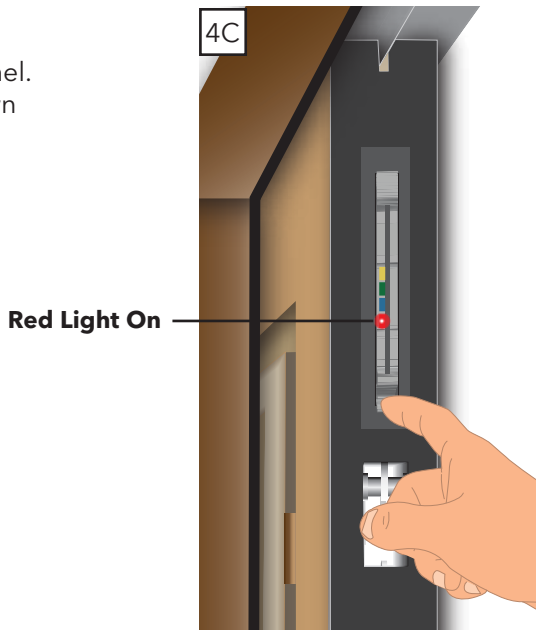


4 Using Testing Device in Sliding Patio Door Units:

A. Open the door.

B. Locate the integrated sensor on the lock stile of the vent panel. Remove Integrated Sensor and install testing device as shown in step 1.

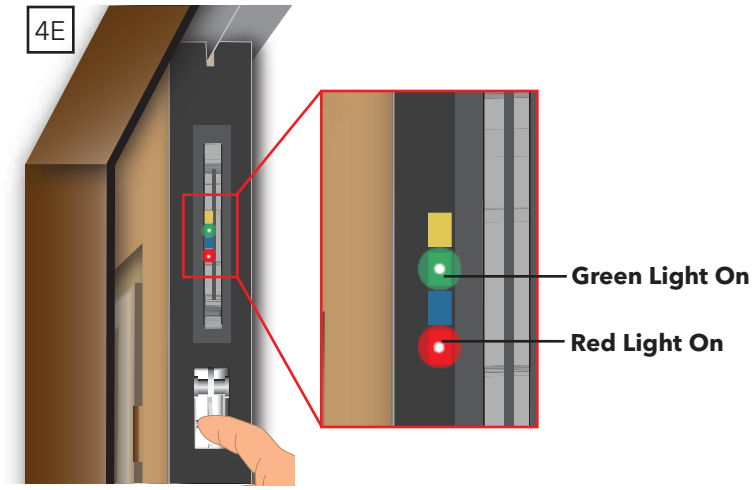
C. When the testing device has been properly inserted into the sensor slot the **Red light should come on.**



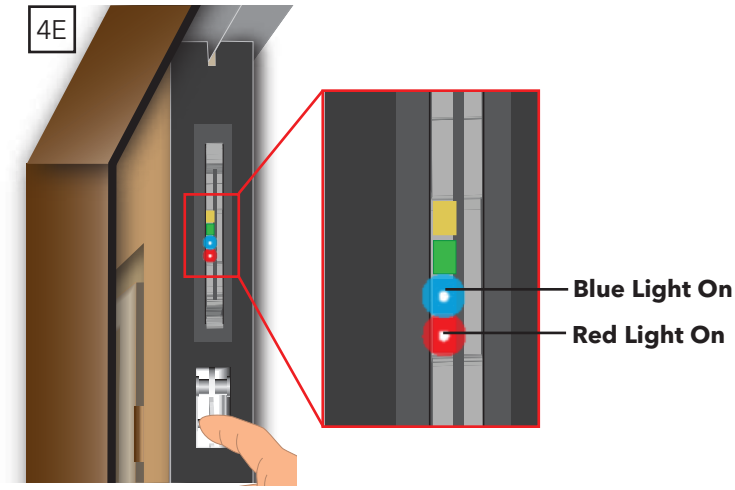
4 Using Testing Device in Sliding Patio Door Units (continued):

D. With door open, flip down the locking lever on the handle to lock the door.

E. Push back cam until it clicks indicating the locking mechanism has engaged the **Red and Green lights should be on for Designer Series models.**



F. Push back cam until it clicks indicating the locking mechanism has engaged the **Red and Blue lights should be on for Architect Series and Lifestyle Series models.**



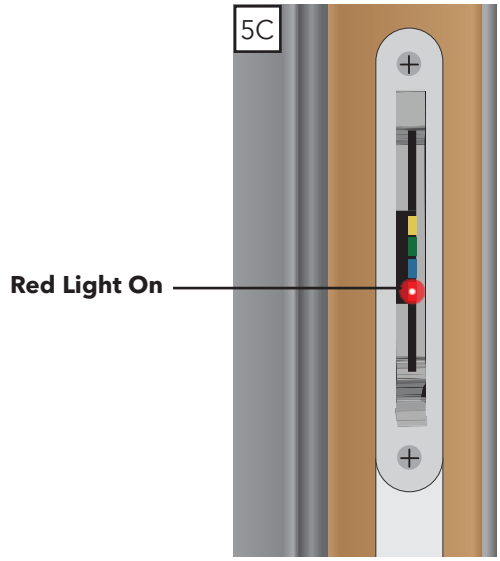
G. Remove Testing Device and insert Integrated Sensor by performing steps 1A-1D in reverse.

5 Using Testing Device in Entry Door Units with Multi-point Lock:

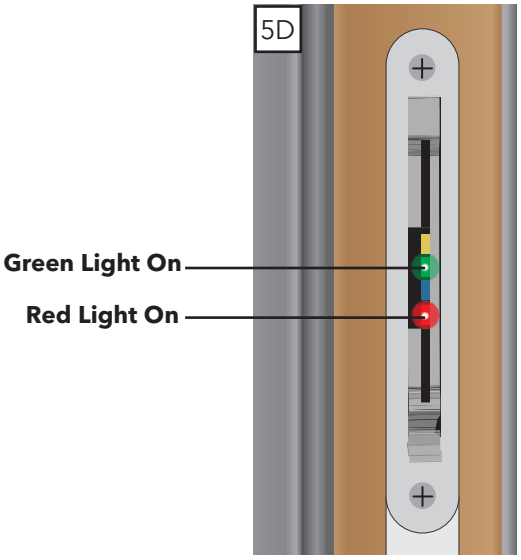
A. Open the door.

B. Locate the integrated sensor on the edge of the panel. If the panel has 2 cartridge sensors, this test is for the one above the deadbolt. Remove Integrated Sensor and install testing device as shown in step 1.

C. When the testing device has been properly inserted into the sensor slot the **Red light should come on.**



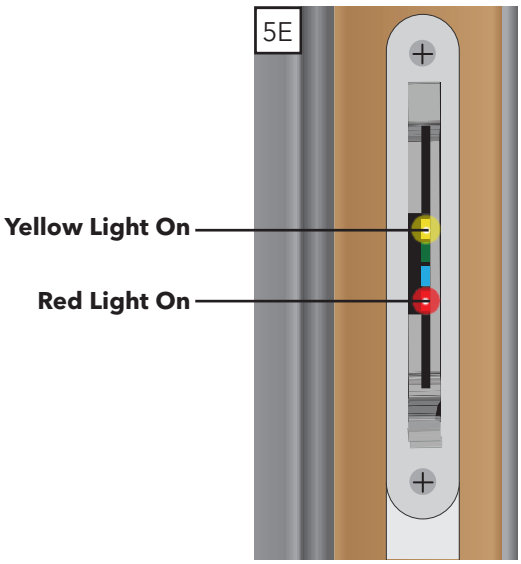
D. Door Open, Lock Engaged – **Red, Green should come on.**



If applicable, locate the integrated sensor on the edge of the panel below the deadbolt. Remove Integrated Sensor and install testing device as shown in step 1.

E. Door Closed – **Red, Yellow should come on.**

F. Remove Testing Device and insert Integrated Sensor by performing steps 1A-1D in reverse.



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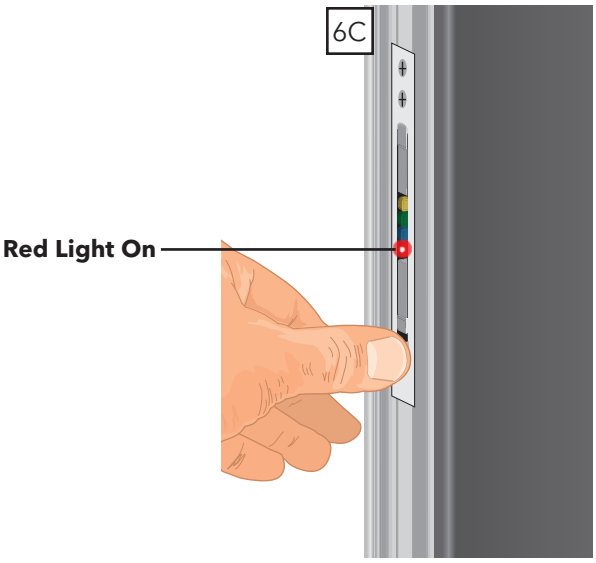
6 Using Testing Device in Hinged Patio Door Units:

A. Open the active door panel.

B. Locate the integrated sensor on the lock stile of the active panel, below the locking mechanism. Remove Integrated Sensor and install testing device as shown in step 1.

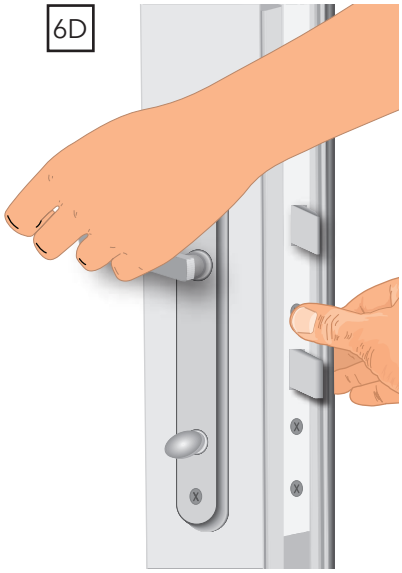
C. When the testing device has been properly inserted into the sensor slot the **Red light should come on.**

6C



D. Push in anti-slam pin and lift door handle up to engage deadbolt.

6D



E. To engage the device's lock sensor, turn lock on door, the **Red and Blue lights should be on.**

6E

