

HAWK CONTROLLER

HAWK Pedestrian Signal System



What is the HAWK Pedestrian Signal System?

HAWK stands for **H**igh-intensity **A**ctivated cross**W**alk signal. The new HAWK signal uses traditional traffic and pedestrian signal heads but in a different configuration, with features that have not been typically used on other crosswalk signals.

How It Works:

When not activated, the signal is dark. It is activated when a pedestrian pushes the walk button. The HAWK signal begins flashing yellow to indicate to drivers someone will be using the crosswalk. It then goes to solid yellow like a typical traffic signal, advising drivers to prepare to stop. The signal then turns solid red, requiring drivers to stop at the crosswalk. Finally, the signal goes to flashing red, letting drivers know that after coming to a complete stop, they can proceed once the pedestrian has crossed safely. The signal then turns to the dark condition.

Where Else Has It Been Used?

The HAWK pedestrian crossing signals have greatly improved pedestrian safety in Tucson, Arizona where it was found that the device substantially improves motorist stopping behavior. The technology has been so successful that the Federal Highway Administration (FHWA) visited Tucson to look at the crossings and see how well they might work in other cities. Other cities, including Portland, Oregon and Ada County Highway District have also received permission to install and use HAWK signals.

Wapiti HAWK Controller

Wapiti Micro Systems has developed a small, high performance, low cost, controller to operate the HAWK Pedestrian crosswalk system. The cabinet is a space saving NEMA 3R cabinet at just 26" x 17" x 15". Wapiti has developed a sophisticated software package that will operate the new HAWK signal system.

The controller (which can also be used for intersection control) is a single board, high performance controller with the same ruggedness, durability, and dependability as the more than 80,000 type 170 controllers in operation around the world today.

- 24 signal outputs
- 8 detector inputs
- 8 vehicle phases
- 4 pedestrian phases
- 8 special signal overlaps
- Phase outputs are assignable
- Fully actuated
- TOD coordination

The programming can be done via laptop computer or hand held PDA.



Solar Power Option

All components are powered by 12 Vdc and are highly energy efficient, with Solar Power in mind. Please contact us for solar power options.

	What Drivers See	What Pedestrians See
1.	 DARK	 Push the button.
2.	 FLASHING	
3.	 STEADY	
4.	 STEADY	 Start crossing.
5.	 ALTERNATING (like RXR) Stop. Then go if clear.	 FLASHING Continue crossing.
6.	 DARK	