

## Technical Reference

### **PW PROXIMITY WAFER**

### **APPLICATION ON PROXIMITY CARDS**

AWID's PW Proximity Wafer transforms any credential instantly into an AWID-compatible Proximity Card. The PW wafer can be attached, using its own adhesive (under the protective paper label), to a laminated ID badge, a magnetic stripe card, a bar-coded ID card, a Wiegand swipe card, a barium ferrite card, or a driver's license. The PW wafer can even be attached to the surface of, or inserted inside, a key fob or a remote control device or a click-type door transmitter – if it is not made of metal.

The PW Proximity Wafer is not intended for attachment to a *proximity* card, whether it is manufactured by AWID or by any other supplier of proximity cards. There is the possibility of “data collision” if the proximity signals from both the PW wafer and the proximity card are transmitted at the same time. This would result in no transmission of the code from the proximity reader (either an AWID reader or another type) to the host control panel.

However, some users of the PW Proximity Wafer have reported successful application of the PW wafer on a proximity card, so that both the wafer and the card can be read (one at a time) on their respective readers. Here is the recommended procedure.

1. Test the application by pressing the PW wafer (with the protective paper label still in place) against the proximity card in different locations. Use masking tape or temporary adhesive if desired. Find the location where read range is best for both the PW wafer on the AWID reader and the proximity card on its reader.
2. Remove the protective label and firmly press the PW wafer against the proximity card. Be careful not to cover necessary information on the photo badge printing, if any, or the printed code data.
3. For best performance of the PW wafer, hold the card so that (a) the PW wafer is on the side of the card nearest the reader, (b) the PW wafer is over the AWID reader, and (c) the rest of the proximity card is off the edge of the reader. This helps to assure that the PW wafer will read first, and its code will be transmitted by the reader to the panel.

#### Notes:

- a. The read range of both the PW Proximity Wafer and the proximity card will be reduced from their rated read ranges. It may be necessary to touch the PW wafer to the AWID reader, and the proximity card to its reader, for reliable reading.
- b. AWID makes no claim that the combination of PW Proximity Wafer and proximity card will give successful reads in all cases. The customer should test the combination first, as described in step 1, above.

#### Reference:

Product Sheet for PW Proximity Wafer  
AWID's web site – [www.awid.com/support](http://www.awid.com/support)