

OVERVIEW OF THE
I-OpenR
By **KZCO** inc.™
AUTOMATIC WASTE CART LID OPENER

The Problem:

Wheeled, garbage waste cart containers (of all sizes) kept inside a home garage can foster bacteria, emit undesirable smells when the lids are left open. Open lids can also attract insects and animals of various types, which is an additional health hazard. As a result of these considerations, some waste carts are kept outside where they are not as handy to use, especially during inclement weather. Despite these conditions, it is not uncommon for select housing areas to have covenants that prohibit waste carts from being kept outside. A cleaner, easier solution is needed.

The cart lids are sometimes left open because they are awkward to use. The lids require a large swing to fully open and because the carts are typically perceived as dirty (whether they are or not), people don't want to touch them. If your hands are full (of trash) it can be a cumbersome experience to use the containers quickly and easily.

Full bags from kitchen compactors can become heavy and often require both hands to hoist the heavy bag into the cart. Thus, taking out the trash can require: setting the heavy bag on the floor, fully opening the cart lid, lifting the bag into the container with both hands, and then closing the lid.....or, you can leave the lid open all the time and suffer the consequences.

The Solution:

The New ***I-OpenR*** waste cart lid lifter solves all of the above problems economically (it sells for about the same price as the waste carts do) and automatically (it provides hands free use). It's easy to install and can last a lifetime (tested to 1,000,000 openings). It is the *only device in the world* specifically designed to do this task. It has been awarded two U.S. patents as well.

The ***I-OpenR*** will take the novice about an hour to install and requires only simple, common tools. However, based on our unscientific survey taken from 25 new users, it would take the majority of them less than 15 minutes to install if they ever did it again. Most of the time was spent deciding exactly where to put the power unit due to their unfamiliarity of its operation. They also remarked that if they were given first hand instructions from an experienced person (such as a knowledgeable sales associate), the installation would be much quicker as well (we purposely did not provide installation advice for these survey units).

Also, results of the survey indicated most people did not read the instructions first! No surprise. Because the ***I-OpenR*** is completely self adjusting (meaning the rope will retract and extend in any direction it may be mounted and automatically stop when the lid stops pulling on the rope) it offers the installer the ultimate in flexibility. This is handy to have because installations can vary somewhat from one homeowner to the next.

Using the included 8' rope extension, the power unit can even be mounted on the ceiling! The AC adapter and infra-red sensor jacks use common modular RJ phone plugs. This means that if longer wires are required for a particular installation, one can simply buy commonly available phone wires to accomplish it. The AC adapter takes a six pin plug and the IR sensor uses a 4 pin plug (as used on telephone handsets).

While the ***I-OpenR*** is intended for indoor use only, we are presently testing it in a protected, outdoor setting and it is operating successfully (despite temperatures as low as 10°F to date). It is not rainproof and as such is mounted under a wide roof eave. Again, outdoors is not recommended, but a heated area is *not* required.

From a liability standpoint, the ***I-OpenR*** is very reassuring. It operates on 15 volts from a UL approved AC adapter. While closing, the lid is not driven down. It closes by gravity which pulls on a sensor near the lift rope inside the power unit, causing the motor to run in reverse. There is never more than the lightweight lid to consider as a potential liability. Additionally, all openings are current limited by the smart, micro-processor controlled circuit board inside each unit. If the weight is too heavy, the motor simply stalls out at 5 lbs of lift with no resulting damage.

The ***I-OpenR*** can easily solve a variety of problems associated with manual lid use for garbage waste carts. These problems are becoming an issue for an increasing number of consumers each year as we get older and more tuned into automatic devices of all types. Today, cleanliness and convenience are more important than ever!

Rest assured that this new application “***is a Real I-OpenR!***”

You can learn more about our products at www.kzco.com . Click on ***I-OpenR*** on the right to begin your tour.

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