

COIN

**LAUNDRY
EQUIPMENT**



laundry

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laundry

Any domestic or industrial washing machine can be converted to coin control.

The simplest method is to only supply electricity on insertion of coins. No Pay - No Wash/Dry.

Gas Clothes Dryers

Gas appliances usually still required electricity to operate. Therefore coin control is achievable in the same way as normal electrical driven appliances.

Token Operated

Coin controllers can be token operated instead, sometimes used in extreme vandal prone sites. There are three standard sizes of tokens and customer specific embossing can be arranged, refer to the token section of Abberfield website (www.abberfield.com.au)

Charge by Time

First work out the maximum time taken for the machine cycle say 28 to 35 minutes.

Then set the time to something greater than the maximum time, say 40 minutes.

In this way, when the appliances turns off the coin timer keeps timing out, so that the next person using the machine needs to make the full payment.

Even if the next person started using the appliance immediately after the person before, the time in credit would be insufficient to achieve the use for the appliance, so coins would still be needed

Charge Setting

Some coin systems have the capacity to operate on all different coin denomination, but most always the single denominational version is chosen, usually \$1.00 coin or \$2.00 operated.

It is possible to set the coin timer so that a number of coins must be inserted to start the appliance. This



sets the minimum price, say with a \$2.00 coin timer with an appliance usage charge of \$4.00, then the setting would be for 2 coins to start.

Should for any reason more coins than the set number be inserted extra time will be given proportional to the number for coins inserted. The minimum number of coins only applies to the number needed to start the machine.

Installation

There are two methods in common use flexible, lead wired and permanently wired.

LEAD WIRED

This is the simplest and most common method. First mount the coin timers either to the washing machine or much more commonly (and more secure), bolt the coin timer to the wall.

Take the washing machine lead and cut it in half.

Pass the two ends into the coin timer and connect them so that: -

- i) The incoming active operates the coin timer
- ii) The neutral is common
- iii) The active to the machine is switched by the coin timer.

Plug the laundry appliance into the power point in the normal way.

Now the machine will only operate if coins are inserted.

PERMANENTLY WIRED

This requires an electrician to wire the coin timer to control a power point.

RELATIVE ADVANTAGES

Lead wiring is simple and inexpensive. The only disadvantage is if the appliance has to be moved. For most people this is not a major issue.

Permanent wiring does allow the machine to be moved with out being unwired, but has the disadvantage that the laundry appliance may be unplugged, connected to an extension lead and operated from some other power point, without payment being made. One way of overcoming this issue is to use a special power point that has a round earth pin.

Secure Fastening

It is a mistake to mount coin timers with plastic wall plugs, or equivalent. The recommended fastener is a loxin and matching bolt. This will provide maximum security and neatness.

Coin Timer Choice

The standard coin timer is the CT10F. To order, the only other information required is to know the coin of operation, usually \$1.00 or \$2.00 or token.

However, if the appliance is an industrial model, that consumes much larger amounts of power, there may be an advantage in using the CT10F-PR. This is the same as the CT10F but the PR designate that the coin timer is fitted with a larger electrical switching contact, referred to as a power relay.

It does need to be understood that washing machines and clothes dryers can take some seconds to get up to speed and the during this time they can draw approximately 6 times their rated current consumption. Therefore a machine rated at 10 amps will in fact be switching approximately 60 amps.

However using the PR version is a precaution rather than a requirement, the issue being one of justifying the increase cost.

Optional Extras

The CT10F and CT10F-PR can have optional extra features added.

COLOUR

The cover of the CT10F is painted a neutral tone of almond. Other colours are available upon request, including white which is sometimes preferred for laundry use.

STAINLESS

Some seaside application may benefit from using stainless steel covers instead of the standard steel. Stainless is available in either polished finish or in painted finish. Indicate by adding SS to the model number.

HIGH SECURITY

For particularly vandal prone sites there is a very high security cover available. The appearance is similar but the hinging system is different, the metal cover is 3mm plate and a mini safe lock is used. Indicate by adding HS to the model number.

BY PASS

A switch can be incorporated to bypass coin control and revert the machine to manual operation. There are two forms.

Internal By Pass

To operate, use the key to open the cover and then operate a toggle switch. Indicate by adding BP to the model number.

External By Pass

On the coin timer under the cover lock, is fitted another key, usually to a different key number. Operation of this will by pass the coin operation. On request the bypass and cover key can be the same or different key type. Indicate external by pass by adding EBP to the model number

Further Reading

This brochure is written specifically to advise how laundry appliance can be coin controlled. Therefore only the recommended coin devices have been mentioned. In fact there are many other systems available.

For details, check out the data sheets under the **Specification** and Technical sections of Abberfield interned site:

www.abberfield.com.au

Advice is also available from Abberfield's support team.

